

Set	Items	Description
?	e	au=carcy, bern?

Ref	Items	Index-term
E1	62	AU=CARCY, B.
E2	2	AU=CARCY, B*
E3	0	*AU=CARCY, BERN?
E4	27	AU=CARCY, BERNARD
E5	1	AU=CARCY, BERNARD PI ERE DOM NI QUE
E6	1	AU=CARCY, BERNARD PI ERRE DOM NI QUE
E7	1	AU=CARCY, BERNHARD
E8	1	AU=CARCY, D.
E9	1	AU=CARCY, DAVI D
E10	1	AU=CARCY, G
E11	1	AU=CARCY, J. - P.
E12	34	AU=CARD

Enter P or PAGE for more

? s e1-e7

62	AU=CARCY, B.
2	AU=CARCY, B*
0	AU=CARCY, BERN?
27	AU=CARCY, BERNARD
1	AU=CARCY, BERNARD PI ERE DOM NI QUE
1	AU=CARCY, BERNARD PI ERRE DOM NI QUE
1	AU=CARCY, BERNHARD

S1 94 E1-E7

? s s1 and babesi a

94	S1
32118	BABESI A
S2 77	S1 AND BABESI A

? rd

&gt;&gt;&gt;Duplicate detection is not supported for File 393.

&gt;&gt;&gt;Duplicate detection is not supported for File 391.

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S3 40 RD (unique items)

? t s3/3, k/1-40

&gt;&gt;&gt;KW C option is not available in file(s): 399

3/3, K/1 (Item 1 from file: 24)  
 DIALOG(R) File 24: CSA Life Sciences Abstracts  
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0003680002 IP ACCESSI ON NO: 6116463  
 Identification of a Coronin-Like Protein in Babesi a Species

Fi gueroa, Julio V; Preci gout, Eric; Carcy, Bernard; Gorenflot,  
 Andre  
 GENI D-PAVET, INI FAP, Ji ut epec, Mor el os, Mexi co

Annals of the New York Academy of Sciences, v 1026, p 125-138, October 2004  
 PUBLI CATI ON DATE: 2004

PUBLI SHER: The New York Academy of Sciences

DOCUMENT TYPE: Journal Article  
 RECORD TYPE: Abstract  
 LANGUAGE: English  
 SUMMARY LANGUAGE: English

ISSN: 0077-8923

FILE SEGMENT: Al g o l o g y , M y c o l o g y & P r o t o z o o l o g y A b s t r a c t s ( M c r o b i o l o g y C )

Identification of a Coroni n-Like Protein in Babesia Species

Figueroa, Julio V; Precigout, Eric; Carcy, Bernard; Gorenflot, Andre

ABSTRACT:

The present study was designed to immunochemically identify a coroni n-like protein in Babesia bovis, B. bigemina, B. divergens, and B. canis. A 2-kbp cDNA insert of B...

...protein. Polyclonal antibodies prepared in rabbits immunized with the purified GST-fusion protein recognized a Babesia-specific component of approximately 60 kDa by immunoprecipitation with [super (35) S] methionine-labeled parasites. However, two molecules with relative sizes of 60 and 70 kDa were recognized in Babesia-infected erythrocyte extracts by immunoblotting analysis. The 70-kDa component was apparently of host erythrocyte...

...fluorescent antibody test, the rabbit serum strongly reacted with the merozoite stage of the four Babesia species, but also, although weakly, with the host erythrocyte. A cosedimentation assay performed with GST...

...associated to actin. From these results, we conclude that the protein present in the four Babesia species analyzed here may be considered as a novel coroni n-like, actin-binding protein.

... DESCRIPTORS: Fusion protein; Glutathione; Immunoprecipitation; Indirect fluorescent antibody test; Liver; Merozoites; Open reading frames; Parasites; Plasmids; Babesia bovis; Canis; Plasmodium falciparum

3/3, K/2 (Item 2 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
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0003089598 IP ACCESSION NO: 7229256  
Identification of Common Antigens in Babesia bovis, B. bigemina, and B. divergens

Figueroa, Julio V; Precigout, Eric; Carcy, Bernard; Gorenflot, Andre

Address for correspondence: Dr. Julio V. Figueroa, CENID-PAVET, INIFAP, Apartado Postal 206, CIVAC, Morelos, 62550 Mexico. Voice: +52-777-3-192850; ext.: 139, [mailto:figueroa.julio@nifap.gob.mx]

Annals of the New York Academy of Sciences, v 1081, n 1, p 382-396, October 2006

PUBLICATION DATE: 2006

PUBLISHER: New York Academy of Sciences, 2 East 63rd Street New York NY 10021 USA, [mailto:publications@nyas.org], [URL: http://www.nyas.org]

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0077-8923

FILE SEGMENT: Immunology Abstracts

Identification of Common Antigens in Babesia bovis, B. bigemina, and B. divergens

Fi gueroa, Julio V; Precigout, Eric; Carcy, Bernard; Gorenflot, Andre

ABSTRACT:

Bovine babesiosis, caused by Babesia bovis, B. bigemina, and B. divergens, is a significant impediment to livestock production in countries ...

...three species. Immunochemical analysis using sera from cattle immunized individually with antigens from these three Babesia species revealed a number of antigens recognized by heterologous antisera. Cross-reactions were more evident...

...weak recognition of B. bovis and B. bigemina. Despite the existent antigenic polymorphism among the Babesia spp., these results demonstrated that common antigens occur between European B. divergens and Mexican B...

... DESCRIPTORS: Climate; Cross-reaction; DNA sequencing; Fluorescence; Fusion protein; Glutathione; Immunoblotting; Immunoprophylaxis; Livestock; Merozoites; Parasites; Plasmas; Babesia bovis

3/3, K/3 (Item 3 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
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0002838460 IP ACCESSION NO: 6859660  
First molecular diagnosis of Babesia vogeli in domestic dogs from Turkey

Guelanber, Aynur; Gorenflot, Andre; Schettters, Theo PM; Carcy, Bernard  
Istanbul University, Faculty of Veterinary Medicine, Parasitology Department, 34320-Avcilar, Istanbul, Turkey,  
[mailto:aynurg@istanbul.edu.tr]

Veterinary Parasitology, v 139, n 1-3, p 224-230, June 2006  
PUBLICATION DATE: 2006

PUBLISHER: Elsevier Science B.V., P.O. Box 211 Amsterdam 1000 AE Netherlands, [mailto:nlinfo-f@elsevier.nl], [URL: http://www.elsevier.nl/]

DOCUMENT TYPE: Journal Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
ISSN: 0304-4017  
FILE SEGMENT: Al gology, Mycol ogy & Prot ozoology Abstracts (Microbiology C)

First molecular diagnosis of Babesia vogeli in domestic dogs from Turkey

Guelanber, Aynur; Gorenflot, Andre; Schettters, Theo PM; Carcy, Bernard

ABSTRACT:

... from Turkey revealed the presence of large (around 4.5-5.0 µm)  
Page 3

babesi a10563601.txt

intraerythrocytic Babesia parasites in all dogs. DNA was extracted from the three infected blood samples and an around 410 bp portion of the 18 S rDNA gene of Babesia species was PCR amplified for subsequent molecular characterization. RFLP analysis of the PCR products suggested...

...isolates. Comparisons with the equivalent 410 bp portions of the 18 S rDNA gene of Babesia species confirmed the affiliation of these isolates to the B. vogeli species. This is the first report and molecular characterization of dog infection with a large Babesia species in Turkey.

DESCRIPTORS: Polymerase chain reaction; Parasites; Peripheral blood; Babesia vogeli; Turkey

3/3, K/4 (Item 4 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
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0002451061 IP ACCESSION NO: 5570271  
Antibodies Raised against Bc vir 15, an Extrachromosomal Double-Stranded RNA-Encoded Protein from Babesia canis, Inhibit the In Vitro Growth of the Parasite

Drakulovski, P; Carcy, B\*; Moubri, K; Carret, C; Depoux, D;  
Schetters, TPM; Gorenflot, A  
Laboratoire de Biologie Cellulaire et Moléculaire, EA MESR 2413, UFR des  
Sciences Pharmaceutiques et Biologiques, 15 Avenue Charles Flahault, BP  
14491, F-34093 Montpellier Cedex 5, France,  
[mailto:bcarcy@w3.pharma.univ-montp1.fr]

Infection and Immunity, v 71, n 3, p 1056-1067, March 2003  
PUBLICATION DATE: 2003

DOCUMENT TYPE: Journal Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
ISSN: 0019-9567

FILE SEGMENT: Nucleic Acids Abstracts; Algalogy, Mycology & Protozoology  
Abstracts (Microbiology C); Genetics Abstracts; Immunology Abstracts

Antibodies Raised against Bc vir 15, an Extrachromosomal Double-Stranded RNA-Encoded Protein from Babesia canis, Inhibit the In Vitro Growth of the Parasite

Drakulovski, P; Carcy, B\*; Moubri, K; Carret, C; Depoux, D;  
Schetters, TPM; Gorenflot, A

#### ABSTRACT:

... for homologous members of the Plasmodium falciparum Pf 60 multi gene family in the intraerythrocytic protozoan parasite Babesia canis, we report here the characterization of a cDNA of 1,115 bp, which was...

DESCRIPTORS: Antibodies; cDNA; Merozoites; Nucleotide sequence; Epitopes; Bc vir 15 protein; vir 15 protein; Babesia canis

3/3, K/5 (Item 5 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
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0002066557 IP ACCESSION NO: 4670628

babesi a10563601.txt

Characterization and molecular cloning of an adenosine kinase from  
*Babesia canis rossi*

Carret, C; Delbecq, S; Labesse, G; Carcy, B\*; Precigout, E;  
Moubri, K; Schetters, TPM; Gorenflot, A  
Laboratoire de Biologie Cellulaire et Moléculaire, EA MESR 2413, UFR des  
Sciences Pharmaceutiques et Biologiques, Montellier, France

European Journal of Biochemistry, v 265, n 3, p 1015-1021, November 1999  
PUBLICATION DATE: 1999

DOCUMENT TYPE: Journal Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
ISSN: 0014-2956  
FILE SEGMENT: Genetics Abstracts; Al gology, Mycol ogy & Prot ozoology  
Abstracts (M crobi ology C)

Characterization and molecular cloning of an adenosine kinase from  
*Babesia canis rossi*

Carret, C; Delbecq, S; Labesse, G; Carcy, B\*; Precigout, E;  
Moubri, K; Schetters, TPM; Gorenflot, A

ABSTRACT:

In the search for immunoprotective antigens of the intraerythrocytic  
*Babesia canis rossi* parasite, a new cDNA was cloned and sequenced.  
Protein sequence database searches suggested...

DESCRIPTORS: Adenosine kinase; Nucleotide sequence; ATP; Bcr AK protein;  
*Babesia canis rossi*

3/3, K/6 (Item 1 from file: 50)  
DI ALOG(R) File 50: CAB Abstracts  
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0009704174 CAB Accession Number: 20083320355  
*Babesia canis canis* and *Babesia canis vogeli*  
clinico-pathological findings and DNA detection by means of PCR-RFLP in  
blood from Italian dogs suspected of tick-borne disease.  
Solano-Gallego, L.; Trotta, M.; Carli, E.; Carcy, B.; Caldin, M.;  
Furlanello, T.  
Author email address: lsolano@vc.ac.uk  
Laboratorio d'Analisi Veterinarie "San Marco", Via sorio 114c, 35141  
Padua, Italy.  
Veterinary Parasitology vol. 157 (3/4): p.211-221  
Publication Year: 2008  
ISSN: 0304-4017  
Digital Object Identifier: 10.1016/j.vetpar.2008.07.024  
Publisher: Elsevier Amsterdam Netherlands  
Language: English  
Record Type: Abstract  
Document Type: Journal article

*Babesia canis canis* and *Babesia canis vogeli*  
clinico-pathological findings and DNA detection by means of PCR-RFLP in  
blood from..

The aims of this study were to determine the presence of *Babesia*  
spp. in blood samples from Italian dogs with clinical signs compatible

with tick-borne diseases...

... of PCR-restriction fragment length polymorphism (RFLP) and describe the clinicopathological findings of dogs with Babesia infection. We evaluated the majority of canine babesiosis cases by means of clinical history, physical...

... and haemostatic tests. Forty-five out of 164 canine blood samples studied were positive to Babesia PCR-RFLP with the following results: Babesia canis canis (n=34) and Babesia canis vogeli (n=11). The majority of B. c. canis infections were detected in Northern ...

ORGANISM DESCRIPTORS: Babesia; ...

... Babesia canis

... BROADER TERMS: Babesia;

Solano-Gallego, L.; Trotta, M.; Carli, E.; Carcy, B.; Caldin, M.; Furlanello, T.

3/3, K/7 (Item 2 from file: 50)

DI ALOG(R) File 50: CAB Abstracts

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0009358958 CAB Accession Number: 20073227965

Vaccination against large Babesia species from dogs.

Schettters, T. P. M.; Kleuskens, J.; Carcy, B.; Gorenflot, A.; Vermeulen, A.

Author email address: theo.schettters@ntervet.com

Parasitology R&D Department, Intervet International BV, PO Box 31, 5830 AA Boxmeer, Netherlands.

Conference Title: Second Babesia World Summit, Palermo, Italy, 4-5 May 2007.

Parassitologia (Roma) vol. 49 (Suppl. 1): p. 13-17

Publication Year: 2007

ISSN: 0048-2951

Editors: Caracappa, S.; Florin-Christensen, M.; Torina, A.

Publisher: Lombardo Editore Roma, Italy

Language: English

Record Type: Abstract

Document Type: Journal article; Conference paper

Vaccination against large Babesia species from dogs.

... the SPA from serum/plasma of infected animals, protection induced with SPA from a single Babesia canis strain protected against a homologous challenge infection only. Further research led to the discovery ...

ORGANISM DESCRIPTORS: Babesia; ...

... Babesia canis

... BROADER TERMS: Babesia;

Schettters, T. P. M.; Kleuskens, J.; Carcy, B.; Gorenflot, A.; Vermeulen, A.

3/3, K/8 (Item 3 from file: 50)

DI ALOG(R) File 50: CAB Abstracts

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0009183404 CAB Accession Number: 20073029255

babesia10563601.txt

Recombinant protein Bd37 protected gerbils against heterologous challenges with isolates of Babesia divergens polymorphic for the bd37 gene.

Hadj-Kaddour, K.; Carcy, B.; Vallet, A.; Randazzo, S.; Delbecq, S.; Kleuskens, J.; Schetters, T.; Gorenflot, A.; Precigout, E.

Author email address: kamel.hadj-kaddour@univ-montp1.fr

Laboratoire Biologie Cellulaire and Moléculaire, ERT 1038 'Vaccination anti-parasitaire', UFR Pharmacie, Université Montpellier I, 15 Avenue Charles Flahault, B.P. 14491, 34093 Montpellier Cedex 5, France.

Parasitology vol. 134 (2): p.187-196

Publication Year: 2007

ISSN: 0031-1820

Digital Object Identifier: 10.1017/S0031182006001399

Publisher: Cambridge University Press Cambridge, UK

Language: English

Record Type: Abstract

Document Type: Journal article

Recombinant protein Bd37 protected gerbils against heterologous challenges with isolates of Babesia divergens polymorphic for the bd37 gene.

The Bd37 gene encoding for a glycosyl-phosphatidyl-inositol anchored protein of Babesia divergens displays genetic polymorphisms among isolates. Five major polymorphic groups (clades) were shown by PCR...

ORGANISM DESCRIPTORS: Babesia divergens...

BROADER TERMS: Babesia;

Hadj-Kaddour, K.; Carcy, B.; Vallet, A.; Randazzo, S.; Delbecq, S.; Kleuskens, J.; Schetters, T.; Gorenflot, A.; Precigout, E.

3/3, K/9 (Item 4 from file: 50)

DIALOG(R) File 50: CAB Abstracts

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0009054480 CAB Accession Number: 20063116750

Genetic basis for GPI-anchor merozoite surface antigen polymorphism of Babesia and resulting antigenic diversity.

Carcy, B.; Precigout, E.; Schetters, T.; Gorenflot, A.

Author email address: bcarcy@u3.pharma.univ-montp1.fr

Laboratoire de Biologie Cellulaire et Moléculaire, EA MESR 2413, ERT 1038 Vaccination antiparasitaire, UFR des Sciences Pharmaceutiques et Biologiques, 15 Avenue Charles Flahault, BP 14491, F-34093 Montpellier Cedex 5, France.

Conference Title: First International Forum on Babesiosis, Nice, France, 4-6 November 2004.

Veterinary Parasitology vol. 138 (1/2): p.33-49

Publication Year: 2006

ISSN: 0304-4017

Editors: Schetters, T. P. M.; Brown, W. C.

Publisher: Elsevier Amsterdam Netherlands

Language: English

Record Type: Abstract

Document Type: Journal article; Conference paper

Genetic basis for GPI-anchor merozoite surface antigen polymorphism of Babesia and resulting antigenic diversity.

... GPI-anchor (MSA) are proposed to act in the invasion process of infective merozoites of Babesia into host erythrocytes. Because of their essential function in the survival of Babesia parasites, they constitute good candidates for the development of vaccines against

babesia10563601.txt

babesiosis and they have been extensively analyzed. These include Babesia bovis variable MSA (VMSA) and Babesia bigemina gp45/gp55 proteins of the agents of bovine babesiosis from tropical and subtropical countries, and the Babesia divergens Bd37 and Babesia canis Bc28 proteins of the main agents of bovine and canine babesiosis in Europe, respectively. However, these are very polymorphic antigens and Babesia parasites have evolved molecular mechanisms that enable these antigens to evade the host immune system..

... the antigenic diversity of B-cell epitopes that might be generated in each of these Babesia species. The picture is incomplete and no Babesia genome sequence is yet available. However, the available sequences suggest that two distinct, non cross...

... GPI-anchor MSA (i.e., with unique B-cell epitopes) may be required by all Babesia species for invasion, and that these two distinct GPI-anchor MSA would be encoded by a multigene family. Furthermore, the data are consistent with the ability of biological clones from Babesia to use these multigene families for the expression of GPI-anchor MSA, either conserved ( B...

ORGANISM DESCRIPTORS: Babesia; ...

... Babesia bigemina...

... Babesia canis...

... Babesia divergens

... BROADER TERMS: Babesia

Carcy, B.; Precigout, E.; Schetters, T.; Gorenflot, A.

3/3, K/10 (Item 5 from file: 50)

DI ALOG(R) File 50: CAB Abstracts

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0008634764 CAB Accession Number: 20043075609

Association between sequence polymorphism in an epitope of Babesia divergens Bd37 exoantigen and protection induced by passive transfer.

Precigout, E.; Delbecq, S.; Vallet, A.; Carcy, B.; Camillieri, S.; Hadj-Kaddour, K.; Kleuskens, J.; Schetters, T.; Gorenflot, A.

Author email address: epreciout@um3.pharma.univ-montp1.fr

Laboratoire de Biologie Cellulaire et Moléculaire, UFR Pharmacie, Université Montpellier 1, 15, Avenue Charles Flahault, B.P. 14491, 34093 Montpellier Cedex 5, France.

International Journal for Parasitology vol. 34 (5): p.585-593

Publication Year: 2004

ISSN: 0020-7519

Digital Object Identifier: 10.1016/j.ijpara.2004.01.002

Publisher: Elsevier Science Ltd Oxford, UK

Language: English

Record Type: Abstract

Document Type: Journal article

Association between sequence polymorphism in an epitope of Babesia divergens Bd37 exoantigen and protection induced by passive transfer.

In Europe, Babesia divergens is the major agent responsible for babesiosis in cattle and can occasionally infect splenectomised...

ORGANISM DESCRIPTORS: Babesia divergens...

BROADER TERMS: Babesia;

Precigout, E.; Delbecq, S.; Vallet, A.; Carcy, B.; Camillieri, S.; Hadj-Kaddour, K.; Kleuskens, J.; Schetters, T.; Gorenflot, A.



3/3, K/11 (Item 6 from file: 50)  
DI ALOG(R) File 50: CAB Abstracts  
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0008311048 CAB Accession Number: 20023151322

*Babesia divergens* : cloning and biochemical characterization of Bd37.

Delbecq, S.; Precigout, E.; Vallet, A.; Carcy, B.; Schetters, T. P. M.; Gorenflot, A.

Author email address: epreci gout@w3.pharma.univ-montp1.fr

Laboratoire de Biologie Cellulaire et Moléculaire, Faculté de Pharmacie, Université Montpellier I, 15 avenue C. Flahault, B.P. 14 491, 34093 Montpellier Cedex 5, France.

Parasitology vol. 125 (4): p. 305-312

Publication Year: 2002

ISSN: 0031-1820

Digital Object Identifier: 10.1017/S0031182002002160

Publisher: Cambridge University Press Cambridge, UK

Language: English

Record Type: Abstract

Document Type: Journal article

*Babesia divergens* : cloning and biochemical characterization of Bd37.

ORGANISM DESCRIPTORS: *Babesia divergens*

BROADER TERMS: *Babesia*;

Delbecq, S.; Precigout, E.; Vallet, A.; Carcy, B.; Schetters, T. P. M.; Gorenflot, A.

3/3, K/12 (Item 7 from file: 50)  
DI ALOG(R) File 50: CAB Abstracts  
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0008311047 CAB Accession Number: 20023151323

Chromosome number, genome size and polymorphism of European and South African isolates of large *Babesia* parasites that infect dogs.

Depoix, D.; Carcy, B.; Jumas-Bilak, E.; Pages, M.; Precigout, E.; Schetters, T. P. M.; Ravel, C.; Gorenflot, A.

Author email address: bcarcy@w3.pharma.univ-montp1.fr

Laboratoire de Biologie Cellulaire et Moléculaire, EA MESR 2413, UFR des Sciences Pharmaceutiques et Biologiques, 15 avenue Charles Flahault, BP 14491, F-34093 Montpellier Cedex 5, France.

Parasitology vol. 125 (4): p. 313-321

Publication Year: 2002

ISSN: 0031-1820

Digital Object Identifier: 10.1017/S0031182002002202

Publisher: Cambridge University Press Cambridge, UK

Language: English

Record Type: Abstract

Document Type: Journal article

Chromosome number, genome size and polymorphism of European and South African isolates of large *Babesia* parasites that infect dogs.

... intact chromosomes from 2 isolates of each of the 2 most pathogenic species of large *Babesia* parasites that infect dogs, i.e. *Babesia canis* (European species) and *B. rossi* (South African species), revealed 5 chromosomes in their haploid...

IDENTIFIERS: *Babesia rossi*...

ORGANISM DESCRIPTORS: *Babesia*; ...

... Babesia canis

... BROADER TERMS: Babesia

Depoix, D.; Carcy, B.; Jumas-Bilak, E.; Pages, M.; Precigout, E.; Schetters, T. P. M.; Ravel, C.; Gorenflot...

3/3, K/13 (Item 8 from file: 50)

DI ALOG(R) File 50: CAB Abstracts

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0007787322 CAB Accession Number: 19990806769

Babesia canis canis, Babesia canis vogeli, Babesia canis rossi : differentiation of the three subspecies by a restriction fragment length polymorphism analysis on amplified small subunit ribosomal RNA genes.

Carret, C.; Valas, F.; Carcy, B.; Grande, N.; Precigout, E.; Moubri, K.; Schetters, T. P.; Gorenflot, A.

Laboratoire de Biologie Cellulaire et Moléculaire, EA MESR 2413, UFR des Sciences Pharmaceutiques et Biologiques, 15 avenue Charles Flahault, F-34060 Montpellier cedex 2, France.

Journal of Eukaryotic Microbiology vol. 46 (3): p. 298-303

Publication Year: 1999

ISSN: 1066-5234

Language: English

Record Type: Abstract

Document Type: Journal article

Babesia canis canis, Babesia canis vogeli, Babesia canis rossi : differentiation of the three subspecies by a restriction fragment length polymorphism analysis on...

Babesia canis has been previously described as a group of 3 subspecies, namely B. canis canis...

... vitro with primers derived from a semi conserved region of the ssu-rDNA genes of other Babesia species. The polymerase chain reaction combined with a restriction fragment length polymorphism analysis, using Hin...

... B. canis into 3 subspecies. These sequences were compared with previously published sequences of other Babesia species. A phylogenetic approach showed that the 3 subspecies of B. canis belong to the clade of Babesia species sensu stricto, where B. canis canis clusters with B. canis rossi whereas B. canis...

IDENTIFIERS: Babesia canis canis...

... Babesia canis rossi...

... Babesia canis vogeli

... ORGANISM DESCRIPTORS: Babesia canis

BROADER TERMS: Babesia; ...

... Babesia canis

Carret, C.; Valas, F.; Carcy, B.; Grande, N.; Precigout, E.; Moubri, K.; Schetters, T. P.; Gorenflot, A.

3/3, K/14 (Item 9 from file: 50)

DI ALOG(R) File 50: CAB Abstracts

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0007684772 CAB Accession Number: 19990801409

Comparison between asexual and sexual culture-derived exoantigens of *Babesia divergens* in their ability to induce immunoprotection in gerbils.

Grande, N.; Precigout, E.; Camilleri, S.; Carcy, B.; Mubri, K.; Gorenflot, A.

Laboratoire de Biologie Cellulaire et Moléculaire, EA MENRT 2413 UFR des Sciences Pharmaceutiques et Biologiques 15, Avenue Charles Flahault, F-34060 Montpellier, Cedex 02, France.

Parasitology International vol. 47 (4): p. 269-279

Publication Year: 1998

Language: English

Record Type: Abstract

Document Type: Journal article

Comparison between asexual and sexual culture-derived exoantigens of *Babesia divergens* in their ability to induce immunoprotection in gerbils.

*Babesia divergens* was cultivated with a high percentage of parasitized erythrocytes (30-40%) in either RPM...

ORGANISM DESCRIPTORS: *Babesia divergens*...

BROADER TERMS: *Babesia*;

Grande, N.; Precigout, E.; Camilleri, S.; Carcy, B.; Mubri, K.; Gorenflot, A.

3/3, K/15 (Item 10 from file: 50)

DI ALOG(R) File 50: CAB Abstracts

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0007590716 CAB Accession Number: 19980806081

Human babesiosis.

Gorenflot, A.; Mubri, K.; Precigout, E.; Carcy, B.; Schetters, T. P. M. E. A. No. 2413, Laboratoire de Biologie Cellulaire et Moléculaire, UFR Pharmacie, Université Montpellier I, 15 Avenue Charles Flahault, F-34060 Montpellier Cedex 2, France.

Conference Title: Proceedings of the 9th Malaria Meeting of the British Society for Parasitology, Liverpool, UK, 15-17 September, 1997.

Annals of Tropical Medicine and Parasitology vol. 92 (4): p. 489-501

Publication Year: 1998

ISSN: 0003-4983

Editors: Wallbanks, K. R.; Hommel, M

Language: English

Record Type: Abstract

Document Type: Conference paper; Journal article

...and asymptomatic babesiosis. The majority of the 28 cases reported in Europe were due to *Babesia divergens*, whereas the majority of cases reported in the USA were due to *B. microti*, but other emerging *Babesia* spp. (currently known as WA SUB 1, CA SUB 1 and MO SUB 1) are...

ORGANISM DESCRIPTORS: *Babesia divergens*...

... *Babesia microti*

BROADER TERMS: *Babesia*;

Gorenflot, A.; Mubri, K.; Precigout, E.; Carcy, B.; Schetters, T. P. M.

3/3, K/16 (Item 11 from file: 50)

DI ALOG(R) File 50: CAB Abstracts  
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0007401896 CAB Accession Number: 19970803637

Continuous in vitro culture of Babesia divergens in a serum-free medium

Grande, N.; Precigout, E.; Ancelin, M. L.; Moubri, K.; Carcy, B.; Lemesre, J. L.; Vial, H.; Gorenflot, A.

Laboratoire de Biologie Cellulaire et Moléculaire, UPRES No. 699, UFR des Sciences Pharmaceutiques et Biologiques, 15 Avenue Charles Flahault, F-34060 Montpellier Cedex 02, France.

Parasitology vol. 115 (1): p.81-89

Publication Year: 1997

ISSN: 0031-1820

Language: English

Record Type: Abstract

Document Type: Journal article

Continuous in vitro culture of Babesia divergens in a serum-free medium

Babesia divergens was cultivated in RPM 1640 (25 mM HEPES) supplemented with 10% human serum (RPM...

ORGANISM DESCRIPTORS: Babesia divergens...

BROADER TERMS: Babesia;

Grande, N.; Precigout, E.; Ancelin, M. L.; Moubri, K.; Carcy, B.; Lemesre, J. L.; Vial, H.; Gorenflot, A.

3/3, K/17 (Item 12 from file: 50)

DI ALOG(R) File 50: CAB Abstracts  
(c) 2009 CAB International. All rts. reserv.

0007147966 CAB Accession Number: 19960800096

Characterization of a new 60 kDa apical protein of Plasmodium falciparum merozoite expressed in late schizogony.

Grellier, P.; Precigout, E.; Valentin, A.; Carcy, B.; Schrevel, J.

Laboratoire de Biologie Parasitaire et de Chimiothérapie, URA 114 CNRS, Muséum National d'Histoire Naturelle, 61 rue Buffon, F-75231 Paris Cedex 05, France.

Biology of the Cell vol. 82 (2/3): p.129-138

Publication Year: 1994

ISSN: 0248-4900

Language: English

Record Type: Abstract

Document Type: Journal article

...MV protein (Pf60) was identified in cross-reactivity studies using an antiserum directed against a Babesia divergens 37 000 MW culture-derived exoantigen. In immunofluorescence assays, Pf60 appeared as a doublet...

ORGANISM DESCRIPTORS: Babesia divergens...

BROADER TERMS: Babesia;

Grellier, P.; Precigout, E.; Valentin, A.; Carcy, B.; Schrevel, J.

3/3, K/18 (Item 13 from file: 50)

DI ALOG(R) File 50: CAB Abstracts  
(c) 2009 CAB International. All rts. reserv.

0007039731 CAB Accession Number: 19950805721

babesia10563601.txt

A large multigene family expressed during the erythrocytic schizogony of *Plasmodium falciparum*.

Carcy, B.; Bonnefoy, S.; Guillotte, M.; Le Scanf, C.; Grelhier, P.; Schrevel, J.; Fandeur, T.; Mercereau-Puijalon, O.

Unité de Parasitologie Expérimentale, Institut Pasteur, 25 rue du Dr Roux, 75015 Paris, France.

Molecular and Biochemical Parasitology vol. 68 (2): p. 221-233

Publication Year: 1994

ISSN: 0166-6851

Language: English

Record Type: Abstract

Document Type: Journal article

... *Plasmodium falciparum* was identified using a clone isolated with a polyclonal antiserum raised to a *Babesia divergens* merozoite protein. The recombinant antigen reacted with human sera collected from individuals exposed to...

... homologous to the consensus sequence of merozoite rhoptry proteins encoded by multigene families in several *Babesia* species. Antibodies raised to the recombinant protein reacted with a 60 000 MW merozoite protein...

Carcy, B.; Bonnefoy, S.; Guillotte, M.; Le Scanf, C.; Grelhier, P.; Schrevel, J.; Fandeur, T.; Mercereau...

3/3, K/19 (Item 14 from file: 50)

DIALOG(R) File 50: CAB Abstracts

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0007028321 CAB Accession Number: 19950805397

*Babesia divergens* vaccine.

Gorenflot, A.; Precigout, E.; Valentin, A.; Bissuel, G.; Carcy, B.; Brasseur, P.; Moreau, Y.; Schrevel, J.

Laboratoire de Biologie Cellulaire, Faculté de Pharmacie, 15 Avenue Charles Flahault, F-34060 Montpellier Cedex 1, France.

Conference Title: Proceedings of the IV international congress on malaria and babesiosis, Rio de Janeiro, August 13-17, 1991.

Memorias do Instituto Oswaldo Cruz vol. 87 (Suppl. III): p. 279-281

Publication Year: 1992

ISSN: 0074-0276

Editors: Ribeiro, C. T. D.; Momen, H.

Language: English

Record Type: Abstract

Document Type: Journal article

*Babesia divergens* vaccine.

The development of a vaccine strategy against *Babesia divergens* bovine babesiosis, after perfecting an efficient in vitro culture, is briefly reviewed. Crude supernatants...

... ORGANISM DESCRIPTORS: *Babesia divergens*

... BROADER TERMS: *Babesia*;

Gorenflot, A.; Precigout, E.; Valentin, A.; Bissuel, G.; Carcy, B.; Brasseur, P.; Moreau, Y.; Schrevel, J.

3/3, K/20 (Item 15 from file: 50)

DIALOG(R) File 50: CAB Abstracts

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0006991971 CAB Accession Number: 19950803528

A 37-kilodalton glycoprotein of *Babesia divergens* is a major component of a protective fraction containing low-molecular-mass culture-derived exoantigens.

Carcy, B.; Precigout, E.; Valentin, A.; Gorenflot, A.; Schrevel, J.  
Laboratoire de Biologie Parasitaire et Chimiothérapie, URA CNRS 114,  
Muséum National d'Histoire Naturelle, F-75231 Paris Cedex 05, France.

Infection and Immunity vol. 63 (3): p.811-817

Publication Year: 1995

ISSN: 0019-9567

Language: English

Record Type: Abstract

Document Type: Journal article

A 37-kilodalton glycoprotein of *Babesia divergens* is a major component of a protective fraction containing low-molecular-mass culture-derived...

The supernatants of in vitro cultures of *Babesia divergens* in human erythrocytes, obtained by using a semi defined medium based on human high-density...

... ORGANISM DESCRIPTORS: *Babesia divergens*

... BROADER TERMS: *Babesia*;

Carcy, B.; Precigout, E.; Valentin, A.; Gorenflot, A.; Schrevel, J.

3/3, K/21 (Item 16 from file: 50)

DI ALOG(R) File 50: CAB Abstracts

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0006935039 CAB Accession Number: 19950800006

Analysis of immune responses of different hosts to *Babesia divergens* isolates from different geographic areas and capacity of culture-derived exoantigens to induce efficient cross-protection.

Precigout, E.; Gorenflot, A.; Valentin, A.; Bissuel, G.; Carcy, B.; Brasseur, P.; Moreau, Y.; Schrevel, J.

Laboratoire de Biologie Cellulaire, URA Centre National de la Recherche Scientifique 290, F-86022 Poitiers Cedex, France.

Infection and Immunity vol. 59 (8): p.2799-2805

Publication Year: 1991

ISSN: 0019-9567

Language: English

Record Type: Abstract

Document Type: Journal article

Analysis of immune responses of different hosts to *Babesia divergens* isolates from different geographic areas and capacity of culture-derived exoantigens to induce efficient...

The cross-protective capacity of culture-derived soluble immunogens from the *Babesia divergens* Rouen 1987 isolate was tested against different *B. divergens* isolates in experimentally infected gerbils...

... ORGANISM DESCRIPTORS: *Babesia divergens*

... BROADER TERMS: *Babesia*;

Precigout, E.; Gorenflot, A.; Valentin, A.; Bissuel, G.; Carcy, B.; Brasseur, P.; Moreau, Y.; Schrevel, J.

3/3, K/22 (Item 17 from file: 50)

DI ALOG(R) File 50: CAB Abstracts

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0006927677 CAB Accession Number: 19940807122

Cellular and humoral immune responses induced in cattle by vaccination with *Babesia divergens* culture-derived exoantigens correlate with protection.

Valentin, A.; Precigout, E.; L'Hostis, M.; Carcy, B.; Gorenflot, A.; Schrevel, J.

Laboratoire de Biologie Cellulaire, URA Centre National de la Recherche Scientifique 290, Pineau, F-86022 Poitiers Cedex, France.

Infection and Immunity vol. 61 (2): p.734-741

Publication Year: 1993

ISSN: 0019-9567

Language: English

Record Type: Abstract

Document Type: Journal article

Cellular and humoral immune responses induced in cattle by vaccination with *Babesia divergens* culture-derived exoantigens correlate with protection.

Previous results with the *Babesia divergens* gerbil vaccination model were extended in studies with cattle. Two calves were vaccinated with...

... ORGANISM DESCRIPTORS: *Babesia divergens*

... BROADER TERMS: *Babesia*;

Valentin, A.; Precigout, E.; L'Hostis, M.; Carcy, B.; Gorenflot, A.; Schrevel, J.

3/3, K/23 (Item 18 from file: 50)

DI ALOG(R) File 50: CAB Abstracts

(c) 2009 CAB International. All rights reserved.

0006811131 CAB Accession Number: 19940801368

*Babesia divergens*: characterization of a 17-kDa merozoite membrane protein.

Precigout, E.; Valentin, A.; Carcy, B.; Gorenflot, A.; Nakamura, K. I.; Aikawa, M.; Schrevel, J.

Laboratoire de Biologie Cellulaire, URA CNRS 290, Avenue du Recteur Pineau, 36000 Poitiers Cedex, France.

Experimental Parasitology vol. 77 (4): p.425-434

Publication Year: 1993

ISSN: 0014-4894

Language: English

Record Type: Abstract

Document Type: Journal article

*Babesia divergens*: characterization of a 17-kDa merozoite membrane protein.

Large amounts of viable merozoites were purified from in vitro cultures of *Babesia divergens* by a 2-step sieving procedure. A MAbs produced against *B. divergens* merozoites, DG7...

... ORGANISM DESCRIPTORS: *Babesia divergens*

... BROADER TERMS: *Babesia*;

Precigout, E.; Valentin, A.; Carcy, B.; Gorenflot, A.; Nakamura, K. I.; Aikawa, M.; Schrevel, J.

3/3, K/24 (Item 19 from file: 50)

DI ALOG(R) File 50: CAB Abstracts

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0006532233 CAB Accession Number: 19920884330

Lipid trafficking between high density lipoproteins and Babesia divergens -infected human erythrocytes.

Valentin, A.; Rigomer, D.; Precigout, E.; Carcy, B.; Gorenflot, A.; Schrevel, J.

Laboratoire de Biologie Cellulaire, URA CNRS 290, 40, avenue du Recteur Pineau, F-86022 Poitiers Cedex, France.

Biology of the Cell vol. 73 (1): p.63-70

Publication Year: 1991

ISSN: 0248-4900

Language: English

Record Type: Abstract

Document Type: Journal article

Lipid trafficking between high density lipoproteins and Babesia divergens -infected human erythrocytes.

ORGANISM DESCRIPTORS: Babesia divergens...

BROADER TERMS: Babesia;

Valentin, A.; Rigomer, D.; Precigout, E.; Carcy, B.; Gorenflot, A.; Schrevel, J.

3/3, K/25 (Item 20 from file: 50)

DIALOG(R) File 50: CAB Abstracts

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0006490296 CAB Accession Number: 19920876287

Heat shock response of Babesia divergens and identification of the hsp70 as an immunodominant early antigen during ox, gerbil and human babesiosis.

Carcy, B.; Precigout, E.; Valentin, A.; Gorenflot, A.; Reese, R. T.; Schrevel, J.

J. Schrevel, Museum National d'Histoire Naturelle, 75007 Paris, France.

Biology of the Cell vol. 72 (1-2): p.93-102

Publication Year: 1991

ISSN: 0248-4900

Language: English

Record Type: Abstract

Document Type: Journal article

Heat shock response of Babesia divergens and identification of the hsp70 as an immunodominant early antigen during ox, gerbil and...

... ORGANISM DESCRIPTORS: Babesia divergens

... BROADER TERMS: Babesia;

Carcy, B.; Precigout, E.; Valentin, A.; Gorenflot, A.; Reese, R. T.; Schrevel, J.

3/3, K/26 (Item 1 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rights reserved.

142217363 CA: 142(12)217363f PATENT

Babesia 28kDa protein family for vaccination

INVENTOR(AUTHOR): Carcy, Bernard Pierre Dominique; Gorenflot, Andre Francois; Schetters, Theodorus Petrus Maria; Girel, Prisca Laetitia; Mubri, Karina; Depoux, Delphine

LOCATION: Net h.

ASSIGNEE: Akzo Nobel N.V.

PATENT: PCT International ; WO 200512343 A1 DATE: 20050210

APPLICATION: WO 2004EP51454 (20040712) \*EP 200377178 (20030710)



PAGES: 81 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATION:

CLASS: C07K-014/44A; G01N-033/569B; A61K-039/018B

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;  
BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;  
GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS;  
LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;  
PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US;  
UZ; VC; VN; YU; ZA; ZM; ZW DESIGNATED REGIONAL: BW; GH; GM; KE; LS; MW; MZ;  
; NA; SD; SL; SZ; TZ; UG; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT;  
BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;  
PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR;  
NE; SN; TD; TG

3/3, K/27 (Item 2 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

(c) 2009 American Chemical Society. All rights reserved.

137231343 CA: 137(16)231343c PATENT

Babesia canis-derived 15 kDa and 32 kDa proteins for use in vaccine compositions

INVENTOR(AUTHOR): Schetters, Theodorus Petrus Maria; Carcy, Bernard  
Pierre Dominique; Drakulovski, Pascal Robert; Gorenflot, Andre Francois

LOCATION: Neth.

ASSIGNEE: Akzo Nobel N.V.

PATENT: European Pat. Appl. ; EP 1238983 A1 DATE: 20020911

APPLICATION: EP 200275830 (20020304) \*EP 2001200816 (20010306)

PAGES: 41 pp. CODEN: EPXXDW LANGUAGE: English

PATENT CLASSIFICATION:

CLASS: C07K-014/44A; A61K-039/018B

DESIGNATED COUNTRIES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL;  
SE; MC; PT; IE; SI; LT; LV; FI; RO; MK; CY; AL; TR

3/3, K/28 (Item 3 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

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133349127 CA: 133(25)349127f PATENT

Vaccination against babesiosis

INVENTOR(AUTHOR): Schetters, Theodorus Petrus Maria; Carcy, Bernard;  
Gorenflot, Andre; Precigout, Eric; Vallet, Alexina

LOCATION: Neth.

ASSIGNEE: Akzo Nobel N.V.

PATENT: European Pat. Appl. ; EP 1050541 A1 DATE: 20001108

APPLICATION: EP 2000201485 (20000425) \*EP 99201322 (19990429)

PAGES: 48 pp. CODEN: EPXXDW LANGUAGE: English

PATENT CLASSIFICATION:

CLASS: C07K-014/44A; A61K-039/018B; C12N-015/00B; C07K-016/20B;

G01N-033/53B

DESIGNATED COUNTRIES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL;  
SE; MC; PT; IE; SI; LT; LV; FI; RO

3/3, K/29 (Item 1 from file: 185)

DIALOG(R) File 185: Zoological Record Online(R)

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05802133 BIOSIS No. 14305031898

Identification of common antigens in Babesia bovis, B. bigemina, and  
B. divergens.

AUTHORS: Figueroa, Julio V. (a); Precigout, Eric; Carcy, Bernard;

babesi a10563601.txt

Gorenflot, Andre

AUTHORS ADDRESS: (a) CENID-PAVET, INIFAP, Apartado Postal 206, CIVAC, Morelos, 62550; Mexico figueroa.julio@inifap.gob.mx

SOURCE: Annals of the New York Academy of Sciences 1081, October 2006: 382-396. [Print]

DOCUMENT TYPE: Article; Meeting paper

ISSN: 0077-8923

LANGUAGES: English SUMMARY LANGUAGES: English

RECORD TYPE: Citation

Identification of common antigens in Babesia bovis, B. bigemina, and B. divergens.

...AUTHORS: a); Precigout, Eric; Carcy, Bernard; Gorenflot, Andre

DESCRIPTORS:

Babesia bigemina...

... Babesia bovis...

... Babesia divergens--Antigens

BROADER TERMS:

SYSTEMATICS:

Babesia bigemina--(Piroplasma)

Babesia bovis--(Piroplasma)

Babesia divergens--(Piroplasma)

3/3, K/30 (Item 2 from file: 185)

DIALOG(R) File 185: Zoological Record Online(R)

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05793948 BIOSIS No. 14307044453

Recombinant protein Bd37 protected gerbils against heterologous challenges with isolates of Babesia divergens polymorphic for the bd37 gene.

AUTHORS: Hadj-Kaddour, K. (a); Carcy, B.; Vallet, A.; Randazzo, S.;

Delbecq, S.; Kleuskens, J.; Schetters, T.; Gorenflot, A.; Precigout, E.

AUTHORS ADDRESS: (a) Univ Montpellier, Biol Cellulaire and Mol Lab, 15 Ave Charles Flahault, BP 14491, F-34093 Montpellier 5; France

kamel.hadj-kaddour@univ-montp1.fr

SOURCE: Parasitology 134(2), February 2007: 187-196. [Print]

DOCUMENT TYPE: Article

ISSN: 0031-1820

LANGUAGES: English SUMMARY LANGUAGES: English

RECORD TYPE: Abstract

Recombinant protein Bd37 protected gerbils against heterologous challenges with isolates of Babesia divergens polymorphic for the bd37 gene.

...AUTHORS: a); Carcy, B.; Vallet, A.; Randazzo, S.; Delbecq, S.;

Kleuskens, J.; Schetters, T.; Gorenflot, A.; Precigout, E.

ABSTRACT: The Bd37 gene encoding for a glycosyl-phosphatidylinositol anchored protein of Babesia divergens displays genetic polymorphisms among isolates. Five major polymorphic groups (clades) were shown by PCR...

DESCRIPTORS:

Babesia divergens--Nucleic acids...

BROADER TERMS:

SYSTEMATICS:

Babesia divergens--(Piroplasma)--Parasite

3/3, K/31 (Item 3 from file: 185)

DIALOG(R) File 185: Zoological Record Online(R)

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05702680        BIOSIS No. 14210064035  
Identification of a coronin-like protein in Babesia species.  
AUTHORS: Figueroa, Julio V. (a); Precigout, Eric; Carcy, Bernard;  
Gorenflot, Andre  
AUTHORS ADDRESS: (a) CENID-PAVET, INIFAP, Apartado Postal No. 206, Cívica,  
Morelos, 2500; Mexico figueroa.julio@nifap.gob.mx  
SOURCE: Annals of the New York Academy of Sciences 1026, October 2004:  
125-138. [Print]  
DOCUMENT TYPE: Article; Meeting paper  
ISSN: 0077-8923  
LANGUAGES: English    SUMMARY LANGUAGES: English  
RECORD TYPE: Abstract

Identification of a coronin-like protein in Babesia species.

...AUTHORS: a); Precigout, Eric; Carcy, Bernard; Gorenflot, Andre

ABSTRACT: The present study was designed to immunochemically identify a coronin-like protein in Babesia bovis, B. bigemina, B. divergens, and B. canis. A 2-kbp cDNA insert of B...

...protein. Polyclonal antibodies prepared in rabbits immunized with the purified GST-fusion protein recognized a Babesia-specific component of approximately 60 kDa by immunoprecipitation with (35S) methionine-labeled parasites. However, two molecules with relative sizes of 60 and 70 kDa were recognized in Babesia-infected erythrocyte extracts by immunoblotting analysis. The 70-kDa component was apparently of host erythrocyte...

...fluorescent antibody test, the rabbit serum strongly reacted with the merozoite stage of the four Babesia species, but also, although weakly, with the host erythrocyte. A cosedimentation assay performed with GST...

...associated to actin. From these results, we conclude that the protein present in the four Babesia species analyzed here may be considered as a novel coronin-like, actin-binding protein.

DESCRIPTORS:

Babesia bigemina...

...Babesia bovis...

...Babesia canis...

...Babesia divergens--Proteins

BROADER TERMS:

SYSTEMATICS:

Babesia bigemina--(Piroplasmida)

Babesia bovis--(Piroplasmida)

Babesia canis--(Piroplasmida)

Babesia divergens--(Piroplasmida)

3/3, K/32        (Item 4 from file: 185)  
DIALOG(R) File 185: Zoological Record Online(R)  
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05639618        BIOSIS No. 14212071224  
Genetic basis for GPI-anchor merozoite surface antigen polymorphism of Babesia and resulting antigenic diversity.  
AUTHORS: Carcy, Bernard (a); Precigout, Eric; Schettlers, Theo;  
Gorenflot, Andre  
AUTHORS ADDRESS: (a) UFR Sci Pharmaceut and Biol, ERT Vaccinat

babesia10563601.txt

Antiparasitaire 1038, 15 Ave Charles Flahault, BP 14491, F-34093  
Montpellier 5; France bcarcy@wv3.pharma.univ-montp1.fr  
SOURCE: Veterinary Parasitology 138(1-2), May 31 2006: 33-49. [Print]  
DOCUMENT TYPE: Article; Meeting paper  
ISSN: 0304-4017  
LANGUAGES: English SUMMARY LANGUAGES: English  
RECORD TYPE: Abstract

Genetic basis for GPI-anchor merozoite surface antigen polymorphism of  
Babesia and resulting antigenic diversity.

AUTHORS: Carcy, Bernard...

... ABSTRACT: GPI-anchor MSA) are proposed to act in the invasion process of  
infective merozoites of Babesia into host erythrocytes. Because of  
their essential function in the survival of Babesia parasites, they  
constitute good candidates for the development of vaccines against  
babesiosis and they have been extensively analyzed. These include  
Babesia bovis variable MSA (VMSA) and Babesia bigemina  
gp45/gp55 proteins of the agents of bovine babesiosis from tropical and  
subtropical countries, and the Babesia divergens Bd37 and  
Babesia canis Bc28 proteins of the main agents of bovine and canine  
babesiosis in Europe, respectively. However, these are very polymorphic  
antigens and Babesia parasites have evolved molecular mechanisms  
that enable these antigens to evade the host immune system..

... the antigenic diversity of B-cell epitopes that might be generated in  
each of these Babesia species. The picture is incomplete and no  
Babesia genome sequence is yet available. However, the available  
sequences suggest that two distinct, non cross...

... GPI-anchor MSA (i.e., with unique B-cell epitopes) may be required by  
all Babesia species for invasion, and that these two distinct  
GPI-anchor MSA would be encoded by a multigene family. Furthermore, the  
data are consistent with the ability of biological clones from  
Babesia to use these multigene families for the expression of  
GPI-anchor MSA, either conserved (B...

DESCRIPTORS:

Babesia--Antigens...

... Babesia,

BROADER TERMS:

SYSTEMATICS:

Babesia--(Piroplasmia)--Parasite

Mammalia--Host

3/3, K/33 (Item 5 from file: 185)  
DIALOG(R) File 185: Zoological Record Online(R)  
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05633405 BIOSIS No. 14209057296  
First molecular diagnosis of Babesia vogeli in domestic dogs from  
Turkey.

AUTHORS: Gulanber, Aynur (a); Gorenflot, Andre; Schettters, Theo P.M;  
Carcy, Bernard

AUTHORS ADDRESS: (a) Istanbul University, Faculty of Veterinary Medicine,  
Parasitology Department, 34320-Avcilar, Istanbul; Turkey  
aynurg@istanbul.edu.tr

SOURCE: Veterinary Parasitology 139(1-3), June 30 2006: 224-230. [Print]

DOCUMENT TYPE: Article

ISSN: 0304-4017

LANGUAGES: English SUMMARY LANGUAGES: English

RECORD TYPE: Abstract

First molecular diagnosis of *Babesia vogeli* in domestic dogs from Turkey.

... AUTHORS: a); Gorenflot, Andre; Schetters, Theo P.M.; Carcy, Bernard

... ABSTRACT: from Turkey revealed the presence of large (around 4.5-5.0 [μm]) intraerythrocytic *Babesia* parasites in all dogs. DNA was extracted from the three infected blood samples and an around 410 bp portion of the 18 S rDNA gene of *Babesia* species was PCR amplified for subsequent molecular characterization. RFLP analysis of the PCR products suggested...

... Comparisons with the equivalent 410 bp portions of the 18 S rDNA gene of *Babesia* species confirmed the affiliation of these isolates to the *B. vogeli* species. This is the first report and molecular characterization of dog infection with a large *Babesia* species in Turkey. [copyright] 2006 Elsevier B.V. All rights reserved.

DESCRIPTORS:

*Babesia vogeli* -- Mammalian hosts...

... *Babesia vogeli*

BROADER TERMS:

SYSTEMATICS:

*Babesia vogeli* -- (Piroplasma) -- Parasite...

3/3, K/34 (Item 6 from file: 185)

DIALOG(R) File 185: Zoological Record Online(R)

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04963394 BIOSIS No. 14008048074

Association between sequence polymorphism in an epitope of *Babesia divergens* Bd37 exoantigen and protection induced by passive transfer.

AUTHORS: Precigout, E. (a); Delbecq, S.; Vallet, A.; Carcy, B.; Camillieri, S.; Hadj-Kaddour, K.; Kleuskens, J.; Schetters, T.; Gorenflot, A.

AUTHORS ADDRESS: (a) Univ Montpellier 1, UFR Pharm 15, Ave Charles Flahault, BP 14491, F-34093 Montpellier 5; France

eprecigout@um3.pharma.univ-montp1.fr

SOURCE: International Journal for Parasitology 34(5), April 2004: 585-593.

[Print]

DOCUMENT TYPE: Article

ISSN: 0020-7519

LANGUAGES: English SUMMARY LANGUAGES: English

RECORD TYPE: Abstract

Association between sequence polymorphism in an epitope of *Babesia divergens* Bd37 exoantigen and protection induced by passive transfer.

... AUTHORS: a); Delbecq, S.; Vallet, A.; Carcy, B.; Camillieri, S.; Hadj-Kaddour, K.; Kleuskens, J.; Schetters, T.; Gorenflot, A.

ABSTRACT: In Europe, *Babesia divergens* is the major agent responsible for babesiosis in cattle and can occasionally infect splenectomized...

DESCRIPTORS:

*Babesia divergens* -- Antigens...

BROADER TERMS:

SYSTEMATICS:

*Babesia divergens* (Piroplasma)

3/3, K/35 (Item 7 from file: 185)  
DIALOG(R) File 185: Zoological Record Online(R)  
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04745026 BIOSIS No. 13900002298  
Chromosome number, genome size and polymorphism of European and South African isolates of large Babesia parasites that infect dogs.  
AUTHORS: Depoix, D.; Carcy, B. (a); Jumas-Bilak, E.; Pages, M.; Precigout, E.; Schetters, T.P.M.; Ravel, C.; Gorenflot, A.  
AUTHORS ADDRESS: (a) Laboratoire de Biologie Cellulaire et Moléculaire, EA MESR 2413, UFR des Sciences Pharmaceutiques et Biologiques, 15 Avenue Charles Flahault, BP 14491, F-34093, Montpellier Cedex 5; France  
bcarcy@w3.pharma.univ-montp1.fr  
SOURCE: Parasitology 125(4), October 2002:313-321. [Print]  
DOCUMENT TYPE: Article  
ISSN: 0031-1820  
LANGUAGES: English SUMMARY LANGUAGES: English  
RECORD TYPE: Abstract

Chromosome number, genome size and polymorphism of European and South African isolates of large Babesia parasites that infect dogs.  
AUTHORS: Depoix, D.; Carcy, B...

... ABSTRACT: intact chromosomes from 2 isolates of each of the 2 most pathogenic species of large Babesia parasites that infect dogs, i.e. Babesia canis (European species) and B. rossi (South African species), revealed 5 chromosomes in their haploid...

DESCRIPTORS:  
Babesia canis -- Chromosomes...

... Southern & Drome regions  
Babesia rossi -- Chromosomes...

BROADER TERMS:  
SYSTEMATICS:  
Babesia canis (Piroplasma) -- Parasite  
Babesia rossi (Piroplasma) -- Parasite

3/3, K/36 (Item 8 from file: 185)  
DIALOG(R) File 185: Zoological Record Online(R)  
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04745025 BIOSIS No. 13900002297  
Babesia divergens: Cloning and biochemical characterization of Bd37.  
AUTHORS: Delbecq, S.; Precigout, E. (a); Vallet, A.; Carcy, B.; Schetters, T.P.M.; Gorenflot, A.  
AUTHORS ADDRESS: (a) Laboratoire de Biologie Cellulaire et Moléculaire, Faculté de Pharmacie, Université Montpellier I, 15 Avenue C. Flahault, B.P. 14 491, 34093, Montpellier Cedex 5; France  
eprecigout@w3.pharma.univ-montp1.fr  
SOURCE: Parasitology 125(4), October 2002:305-312. [Print]  
DOCUMENT TYPE: Article  
ISSN: 0031-1820  
LANGUAGES: English SUMMARY LANGUAGES: English  
RECORD TYPE: Abstract

Babesia divergens: Cloning and biochemical characterization of Bd37.  
... AUTHORS: a); Vallet, A.; Carcy, B.; Schetters, T.P.M.; Gorenflot, A.

ABSTRACT: The immunoprotective potential of Babesia divergens antigens released in supernatants of in vitro cultures of the parasite is

babesi a10563601.txt

generally known...

...number of parasite molecules, a 37 kDa protein has been found in the supernatants of *Babesia divergens* cultures. In this report the cloning and biochemical characterization of this protein, called Bd37...

DESCRIPTORS:

*Babesia divergens* - Antigens...

BROADER TERMS:

SYSTEMATICS:

*Babesia divergens* (Piroplasmida)

3/3, K/37 (Item 9 from file: 185)

DIALOG(R) File 185: Zoological Record Online(R)

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04563108 BIOSIS No. 13600013730

*Babesia canis canis*, *Babesia canis vogeli*, *Babesia canis rossi*: differentiation of the three subspecies by a restriction fragment length polymorphism analysis on amplified small subunit ribosomal RNA genes.

AUTHORS: Carret, Celine; Valas, Fabien; Carcy, Bernhard; Grande, Nathalie; Precigout, Eric; Moubri, Karina; Schetters, Theo P.; Gorenflot, Andre (a)

AUTHORS ADDRESS: (a) Laboratoire de Biologie Cellulaire et Moléculaire, EA MESR 2413, UFR des Sciences Pharmaceutiques et Biologiques, 15 avenue Charles Flahault, F-34060 Montpellier cedex 2; France

SOURCE: Journal of Eukaryotic Microbiology 46(3), May-June 1999: 298-303.

[Print]

DOCUMENT TYPE: Article

ISSN: 1066-5234

LANGUAGES: English SUMMARY LANGUAGES: English

RECORD TYPE: Citation

*Babesia canis canis*, *Babesia canis vogeli*, *Babesia canis rossi*: differentiation of the three subspecies by a restriction fragment length polymorphism analysis on...

AUTHORS: Carret, Celine; Valas, Fabien; Carcy, Bernhard; Grande, Nathalie; Precigout, Eric; Moubri, Karina; Schetters, Theo P.; Gorenflot, Andre...

DESCRIPTORS:

*Babesia canis canis*...

...*Babesia canis rossi*...

...*Babesia canis vogeli* - Identification techniques

BROADER TERMS:

SYSTEMATICS:

*Babesia canis canis* (Piroplasmida) - Parasite

*Babesia canis rossi* (Piroplasmida) - Parasite

*Babesia canis vogeli* (Piroplasmida) - Parasite

3/3, K/38 (Item 10 from file: 185)

DIALOG(R) File 185: Zoological Record Online(R)

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04426830 BIOSIS No. 13400024977

Continuous in vitro culture of *Babesia divergens* in a serum-free medium

AUTHORS: Grande, N.; Precigout, E.; Ancelin, M.L.; Moubri, K.; Carcy, B.; Lemesre, J.L.; Vial, H.; Gorenflot, A. (a)

AUTHORS ADDRESS: (a) Laboratoire de Biologie Cellulaire et Moléculaire,

babesi a10563601.txt

UPRES No. 699, UFR des Sciences Pharmaceutiques et Biologiques, 15 Avenue Charles Flahault, F-34060 Montpellier Cedex 02; France  
SOURCE: Parasitology 115(1), July 1997:81-89. [Print]  
DOCUMENT TYPE: Article  
ISSN: 0031-1820  
LANGUAGES: English SUMMARY LANGUAGES: English  
RECORD TYPE: Citation

Continuous in vitro culture of Babesia divergens in a serum-free medium

AUTHORS: Grande, N.; Precigout, E.; Ancelin, M.L.; Moubri, K.; Carcy, B.; Lemesre, J.L.; Vial, H.; Gorenflot, A...

DESCRIPTORS:

Babesia divergens--Laboratory culture...

BROADER TERMS:

SYSTEMATICS:

Babesia divergens (Piroplasmia)

3/3, K/39 (Item 11 from file: 185)

DIALOG(R) File 185: Zoological Record Online(R)  
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04221349 BIOSIS No. 13100044043

Babesia divergens: characterization of a 17-kDa merozoite membrane protein.

AUTHORS: Precigout, Eric; Valentin, Alexis; Carcy, Bernard; Gorenflot, Andre; Nakamura, Kei-Ichiro; Akawa, Masamichi; Schrevel, Joseph

SOURCE: Experimental Parasitology 77(4), December 1993:425-434. [Print]

DOCUMENT TYPE: Article

ISSN: 0014-4894

LANGUAGES: English SUMMARY LANGUAGES: English

RECORD TYPE: Citation

Babesia divergens: characterization of a 17-kDa merozoite membrane protein.

AUTHORS: Precigout, Eric; Valentin, Alexis; Carcy, Bernard; Gorenflot, Andre; Nakamura, Kei-Ichiro; Akawa, Masamichi; Schrevel, Joseph

DESCRIPTORS:

Babesia divergens--Antigens...

BROADER TERMS:

SYSTEMATICS:

Babesia divergens (Piroplasmia)

3/3, K/40 (Item 12 from file: 185)

DIALOG(R) File 185: Zoological Record Online(R)  
(c) 2009 The Thomson Corp. All rights reserved.

04027355 BIOSIS No. 12800057020

Heat shock response of Babesia divergens and identification of the hsp70 as an immunodominant early antigen during ox, gerbil and human babesiosis.

AUTHORS: Carcy, B.; Precigout, E.; Valentin, A.; Gorenflot, A.; Reese, R.T.; Schrevel, J.

SOURCE: Biology of the Cell (Paris) 72(1-2) 1991:93-102. [Print]

DOCUMENT TYPE: Article

ISSN: 0248-4900

LANGUAGES: English

RECORD TYPE: Citation

Heat shock response of Babesia divergens and identification of the hsp70 as an immunodominant early antigen during ox, gerbil and...



AUTHORS: Carcy, B.; Precigout, E.; Valentin, A.; Gorenflot, A.;  
Reese, R.T.; Schrevel, J.

## DESCR PTORS:

Babesi a divergens--Antigens...

## BROADER TERMS:

## SYSTEMATICS:

Babesi a divergens (Piroplasma)--Parasite

? e au=gorenflot, an?

Ref	Items	Index-term
E1	2	AU=GORENFLOT, A. F.
E2	4	AU=GORENFLOT, A*
E3	0	*AU=GORENFLOT, AN?
E4	30	AU=GORENFLOT, ANDRE
E5	2	AU=GORENFLOT, ANDRE F.
E6	3	AU=GORENFLOT, ANDRE FRANCOIS
E7	9	AU=GORENFLOT, M
E8	3	AU=GORENFLOT, R
E9	18	AU=GORENFLOT, R.
E10	5	AU=GORENFLOT, ROBERT
E11	2	AU=GORENFLOW D W
E12	1	AU=GORENG K D

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? s e1-e6

2	AU=GORENFLOT, A. F.
4	AU=GORENFLOT, A*
0	AU=GORENFLOT, AN?
30	AU=GORENFLOT, ANDRE
2	AU=GORENFLOT, ANDRE F.
3	AU=GORENFLOT, ANDRE FRANCOIS

S4 41 E1-E6

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41	S4
32118	BABESI A

S5 37 S4 AND BABESI A

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>>>Duplicate detection is not supported for File 393.

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S6 29 RD (unique items)

? t s6/3, k/1-29

>>>KW C option is not available in file(s): 399

6/3, K/1 (Item 1 from file: 24)

DIALOG(R) File 24: CSA Life Sciences Abstracts

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0003680002 IP ACCESSION NO: 6116463

Identification of a Coronin-Like Protein in Babesia Species

Figueroa, Julio V; Precigout, Eric; Carcy, Bernard; Gorenflot, Andre

CENID-PAVET, INIFAP, Jiutepec, Morelos, Mexico

Annals of the New York Academy of Sciences, v 1026, p 125-138, October 2004

PUBLICATION DATE: 2004

PUBLISHER: The New York Academy of Sciences

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0077-8923

FILE SEGMENT: Al g o l o g y, M y c o l o g y & P r o t o z o o l o g y A b s t r a c t s ( M c r o b i o l o g y C)

Identification of a Coronin-Like Protein in Babesia Species

Figueroa, Julio V; Precigout, Eric; Carcy, Bernard; Gorenflot, Andre

ABSTRACT:

The present study was designed to immunochemically identify a coronin-like protein in Babesia bovis, B. bigemina, B. divergens, and B. canis. A 2-kbp cDNA insert of B...

...protein. Polyclonal antibodies prepared in rabbits immunized with the purified GST-fusion protein recognized a Babesia-specific component of approximately 60 kDa by immunoprecipitation with [super(35)S]methionine-labeled parasites. However, two molecules with relative sizes of 60 and 70 kDa were recognized in Babesia-infected erythrocyte extracts by immunoblotting analysis. The 70-kDa component was apparently of host erythrocyte...

...fluorescent antibody test, the rabbit serum strongly reacted with the merozoite stage of the four Babesia species, but also, although weakly, with the host erythrocyte. A cosedimentation assay performed with GST...

...associated to actin. From these results, we conclude that the protein present in the four Babesia species analyzed here may be considered as a novel coronin-like, actin-binding protein.

... DESCRIPTORS: Fusion protein; Glutathione; Immunoprecipitation; Indirect fluorescent antibody test; Liver; Merozoites; Open reading frames; Parasites; Plasmodium; Babesia bovis; Canis; Plasmodium falciparum

6/3, K/2 (Item 2 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
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0003089598 IP ACCESSION NO: 7229256  
Identification of Common Antigens in Babesia bovis, B. bigemina, and B. divergens

Figueroa, Julio V; Precigout, Eric; Carcy, Bernard; Gorenflot, Andre

Address for correspondence: Dr. Julio V. Figueroa, CENID-PAVET, INIFAP, Apartado Postal 206, CIVAC, Morelos, 62550 Mexico. Voice: +52-777-3-192850; ext.: 139, [mailto:figueroa.julio@inifap.gob.mx]

Annals of the New York Academy of Sciences, v 1081, n 1, p 382-396, October 2006

PUBLICATION DATE: 2006

PUBLISHER: New York Academy of Sciences, 2 East 63rd Street New York NY 10021 USA, [mailto:publications@nyas.org], [URL: http://www.nyas.org]

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0077-8923

FILE SEGMENT: Immunology Abstracts

Identification of Common Antigens in Babesia bovis, B. bigemina, and B. divergens

Figueroa, Julio V; Precigout, Eric; Carcy, Bernard; Gorenflot, Andre

ABSTRACT:

Bovine babesiosis, caused by Babesia bovis, B. bigemina, and B. divergens, is a significant impediment to livestock production in countries ...

...three species. Immunochemical analysis using sera from cattle immunized individually with antigens from these three Babesia species revealed a number of antigens recognized by heterologous antisera. Cross-reactions were more evident...

...weak recognition of B. bovis and B. bigemina. Despite the existent antigenic polymorphism among the Babesia spp., these results demonstrated that common antigens occur between European B. divergens and Mexican B...

... DESCRIPTORS: Climate; Cross-reaction; DNA sequencing; Fluorescence; Fusion protein; Glutathione; Immunoblotting; Immunoprophylaxis; Livestock; Merozoites; Parasites; Plasmids; Babesia bovis

6/3, K/3 (Item 3 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
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0002838460 IP ACCESSION NO: 6859660  
First molecular diagnosis of Babesia vogeli in domestic dogs from Turkey

Guelanber, Aynur; Gorenflot, Andre; Schettters, Theo PM; Carcy, Bernard  
Istanbul University, Faculty of Veterinary Medicine, Parasitology Department, 34320-Avcilar, Istanbul, Turkey,  
[mailto:aynurg@istanbul.edu.tr]

Veterinary Parasitology, v 139, n 1-3, p 224-230, June 2006  
PUBLICATION DATE: 2006

PUBLISHER: Elsevier Science B.V., P.O. Box 211 Amsterdam 1000 AE Netherlands, [mailto:nlinfo-f@elsevier.nl], [URL: http://www.elsevier.nl/]

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0304-4017

FILE SEGMENT: Algalogy, Mycology & Protozoology Abstracts (Microbiology C)

First molecular diagnosis of Babesia vogeli in domestic dogs from Turkey

Guelanber, Aynur; Gorenflot, Andre; Schettters, Theo PM; Carcy, Bernard

ABSTRACT:

... from Turkey revealed the presence of large (around 4.5-5.0  $\mu$ m) intraerythrocytic Babesia parasites in all dogs. DNA was extracted from the three infected blood samples and an around 410 bp portion of the 18 S rDNA gene of Babesia species was PCR amplified for subsequent molecular characterization. RFLP analysis of the PCR products suggested...

... isolates. Comparisons with the equivalent 410 bp portions of the 18 S rDNA gene of Babesia species confirmed the affiliation of these isolates to the B. vogeli species. This is the first report and molecular characterization of dog infection with a large Babesia species in Turkey.

DESCRIPTORS: Polymerase chain reaction; Parasites; Peripheral blood; Babesia vogeli; Turkey

6/3, K/4 (Item 4 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
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0002791486 IP ACCESSION NO: 6659660  
Hydrophobic moieties in recombinant proteins are crucial to generate efficient saponin-based vaccine against Apicomplexan Babesia divergens

Delbecq, Stephane; Hadj-Kaddour, Kamel; Randazzo, Sylvie; Kleuskens, Jos; Schetters, Theo; Gorenflot, Andre; Precigout, Eric  
Laboratoire de Biologie Cellulaire et Moléculaire, ERT 1038 "Vaccination anti-parasitaire", Faculté de Pharmacie, 15 Avenue Charles Flahault, BP 14 491, 34093 Montpellier cedex 05, France,  
[mailto:eprecigout@univ-montp1.fr]

Vaccine, v 24, n 5, p 613-621, January 30, 2006  
PUBLICATION DATE: 2006

PUBLISHER: Butterworth-Heinemann, 313 Washington St. Newton MA 02158 USA

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0264-410X

FILE SEGMENT: Allergy, Mycology & Protozoology Abstracts (Microbiology C); Immunology Abstracts

Hydrophobic moieties in recombinant proteins are crucial to generate efficient saponin-based vaccine against Apicomplexan Babesia divergens

Delbecq, Stephane; Hadj-Kaddour, Kamel; Randazzo, Sylvie; Kleuskens, Jos; Schetters, Theo; Gorenflot, Andre; Precigout, Eric

ABSTRACT:

Throughout Europe, bovine babesiosis is mainly caused by Babesia divergens, an Apicomplexan parasite transmitted by tick bites. The intra-erythrocytic development of B. divergens...

DESCRIPTORS: Hydrophobicity; Vaccines; Babesiosis; Merozoites; Protozoa; Immune system; Saponins; Economics; Parasites; Fusion proteins; Immunity; Anemia; Bites; Babesia divergens; Protozoa

6/3, K/5 (Item 5 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
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0002003144 IP ACCESSION NO: 4572665  
Babesia canis canis, Babesia canis vogeli, Babesia canis  
rossi: Differentiation of the three subspecies by a restriction Fragment  
length polymorphism analysis on amplified small subunit ribosomal RNA genes

Carret, C; Valas, F; Carcy, B; Grande, N; Precigout, E; Moubri, K;  
Schetters, TP; Gorenflot, A\*  
Laboratoire de Biologie Cellulaire et Moléculaire, EA MESR 2413, UFR des  
Sciences Pharmaceutiques et Biologiques, 15 avenue Charles Flahault,  
F-34060 Montpellier cedex 2, France,  
[mailto:agorenflot@w3.pharma.univ-montpl.fr]

Journal of Eukaryotic Microbiology, v 46, n 3, p 298-303, June 1999  
PUBLICATION DATE: 1999

DOCUMENT TYPE: Journal Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
ISSN: 1066-5234  
FILE SEGMENT: Genetics Abstracts; Algalogy, Mycology & Protozoology  
Abstracts (Microbiology C)

Babesia canis canis, Babesia canis vogeli, Babesia canis  
rossi: Differentiation of the three subspecies by a restriction Fragment  
length polymorphism analysis on...

Carret, C; Valas, F; Carcy, B; Grande, N; Precigout, E; Moubri, K;  
Schetters, TP; Gorenflot, A\*

ABSTRACT:

The parasites Babesia canis and Babesia gibsoni (phylum  
Apicomplexa) are responsible for canine babesiosis throughout the world.  
Babesia canis was previously described as a group of three  
biologically different subspecies, namely B. canis...

...with primers derived from a semi-conserved region of the ssu-rDNA genes  
in other Babesia species. The polymerase chain reaction combined with  
a restriction fragment length polymorphism analysis, using HinfI...

...B. canis into three subspecies. These sequences were compared with  
previously published sequences of other Babesia species. A  
phylogenetic approach showed that the three subspecies of B. canis belong  
to the clade of Babesia species sensu stricto where B. canis canis  
clusters with B. canis rossi whereas B. canis...

DESCRIPTORS: Phylogeny; rRNA; Restriction fragment length polymorphism  
babesiosis; Babesia canis canis; Babesia canis vogeli;  
Babesia canis rossi; Babesia canis; Babesia gibsoni

6/3, K/6 (Item 6 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
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0001954772 IP ACCESSION NO: 4482680

babesi a10563601.txt

Comparison between aseric and seric culture-derived exoantigens of Babesia divergens in their ability to induce immunoprotection in gerbils

Grande, N; Precigout, E; Camillieri, S; Carcy, B; Mubri, K; Gorenflot, A\*  
Laboratoire de Biologie Cellulaire et Moléculaire, EA MENRT 2413 UFR des Sciences Pharmaceutiques et Biologiques 15, Avenue Charles Flahault, F-34060 Montpellier, Cedex 02, France,  
[mailto:agorenf@pharma.univ-montpl.fr]

Parasitology International, v 47, n 4, p 269-279, December 1998  
PUBLICATION DATE: 1998

DOCUMENT TYPE: Journal Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
ISSN: 1383-5769  
FILE SEGMENT: Al g o l o g y, M y c o l o g y & P r o t o z o o l o g y A b s t r a c t s ( M c r o b i o l o g y C)  
Comparison between aseric and seric culture-derived exoantigens of Babesia divergens in their ability to induce immunoprotection in gerbils

Grande, N; Precigout, E; Camillieri, S; Carcy, B; Mubri, K; Gorenflot, A\*

ABSTRACT:

Babesia divergens Rouen 1987 was cultivated with a high percentage of parasitized erythrocytes (30-40%) in...

DESCRIPTORS: Media (culture); Serum; Antigens; Vaccines; Antibody response; 92kDa protein; 50kDa protein; 37kDa protein; Babesia divergens

6/3, K/7 (Item 7 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
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0001780399 IP ACCESSION NO: 4214950  
Continuous in vitro culture of Babesia divergens in a serum-free medium

Grande, N; Precigout, E; Ancelin, M; Mubri, K; Carcy, B; Lemesre, JL; Vial, H; Gorenflot, A\*  
Lab. de Biologie Cellulaire et Moléculaire, UPRES No. 699, UFR des Sci. Pharmaceutiques et Biologiques, 15 Ave. Charles Flahault, F-34060 Montpellier Cedex 02, France

Parasitology, v 115, n 1, p 81-90, July 1997  
PUBLICATION DATE: 1997

DOCUMENT TYPE: Journal Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
ISSN: 0031-7820  
FILE SEGMENT: Al g o l o g y, M y c o l o g y & P r o t o z o o l o g y A b s t r a c t s ( M c r o b i o l o g y C)

Continuous in vitro culture of Babesia divergens in a serum-free medium

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Grande, N; Precigout, E; Ancelin, M; Moubri, K; Carcy, B; Lemesre, JL;  
Vial, H; Gorenflot, A\*

ABSTRACT:

Babesia divergens was cultivated in RPM 1640 (25 mM HEPES)  
supplemented with 10% human serum (RPM...

DESCRIPTORS: continuous culture; media (culture); Babesia divergens

6/3, K/8 (Item 1 from file: 50)  
DIALOG(R) File 50: CAB Abstracts  
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0007461376 CAB Accession Number: 19970806146

Babesiosis in Missouri.

Additional Authors: Byrd, R. P., Jr.; Roy, T. M.; Herwaldt, B. L.;  
Taylor, P. W.; Gorenflot, A. F.

Annals of Internal Medicine vol. 126 (2): p.172

Publication Year: 1997

ISSN: 0003-4819

Language: English

Record Type: Abstract

Document Type: Correspondence

... 124, 643-650] which described a patient from Missouri, USA, who was  
infected with a Babesia species not previously recognized in humans.

The species was distinct from but shared morphological, antigenic...

ORGANISM DESCRIPTORS: Babesia;

Byrd, R. P., Jr.; Roy, T. M.; Herwaldt, B. L.; Taylor, P. W.;  
Gorenflot, A. F.

6/3, K/9 (Item 1 from file: 399)  
DIALOG(R) File 399: CA SEARCH(R)  
(c) 2009 American Chemical Society. All rights reserved.

148137919 CA: 148(7)137919a JOURNAL

The Solution Structure of the Adhesion Protein Bd37 from Babesia  
divergens Reveals Structural Homology with Eukaryotic Proteins Involved  
in Membrane Trafficking

AUTHOR(S): Delbecq, Stephane; Auguin, Daniel; Yang, Yin-Shan; Loehr,  
Frank; Arold, Stefan; Schettters, Theo; Precigout, Eric; Gorenflot, Andre;  
Roumestand, Christian

LOCATION: CNRS, UMR5048, Centre de Biochimie Structurale, F34090,  
Montpellier, Fr.

JOURNAL: J. Mol. Biol. (Journal of Molecular Biology) DATE: 2008

VOLUME: 375 NUMBER: 2 PAGES: 409-424 CODEN: JMOBAK ISSN: 0022-2836

PUBLISHER IDENTIFIER: 0022-2836(07)01090-X LANGUAGE: English

PUBLISHER: Elsevier Ltd.

6/3, K/10 (Item 2 from file: 399)  
DIALOG(R) File 399: CA SEARCH(R)  
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145353745 CA: 145(18)353745w JOURNAL

Genetic basis for GPI-anchor merozoite surface antigen polymorphism of  
Babesia and resulting antigenic diversity

AUTHOR(S): Carcy, Bernard; Precigout, Eric; Schettters, Theo; Gorenflot,

Andre

LOCATI ON: Laboratoire de Biologie Cellulaire et Moléculaire, UFR des Sciences Pharmaceutiques et Biologiques, F-34093, Montpellier, Fr.

JOURNAL: Vet. Parasitol. (Veterinary Parasitology) DATE: 2006 VOLUME:

138 NUMBER: 1-2 PAGES: 33-49 CODEN: VPARDI ISSN: 0304-4017

PUBLISHER ITEM IDENTIFIER: 0304-4017(06)00054-9 LANGUAGE: English

PUBLISHER: Elsevier B.V.

6/3, K/11 (Item 3 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

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142217363 CA: 142(12)217363f PATENT

Babesia 28kDa protein family for vaccination

INVENTOR(AUTHOR): Carcy, Bernard Pierre Dominique; Gorenflot, Andre Francois; Schetters, Theodorus Petrus Maria; Girel, Prisca Laetitia; Moubri, Karina; Depoux, Delphine

LOCATI ON: Neth.

ASSIGNEE: Akzo Nobel N.V.

PATENT: PCT International ; WO 200512343 A1 DATE: 20050210

APPLI CATI ON: WO 2004EP51454 (20040712) \*EP 200377178 (20030710)

PAGES: 81 pp. CODEN: PIXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

CLASS: C07K-014/44A; G01N-033/569B; A61K-039/018B

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL; PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VC; VN; YU; ZA; ZM; ZW DESIGNATED REGIONAL: BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL; SZ; TZ; UG; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

6/3, K/12 (Item 4 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

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140127189 CA: 140(9)127189h PATENT

Immunogen comprising a fusion protein and a saponin adjuvant use as vaccine

INVENTOR(AUTHOR): Delbecq, Stephane; Precigout, Eric; Gorenflot, Andre Francois; Schetters, Theodorus Petrus Maria

LOCATI ON: Neth.

ASSIGNEE: Akzo Nobel NV

PATENT: PCT International ; WO 200407525 A2 DATE: 20040122

APPLI CATI ON: WO 2003EP7477 (20030709) \*EP 200277800 (20020710)

PAGES: 39 pp. CODEN: PIXD2 LANGUAGE: English

PATENT CLASSI FI CATI ONS:

CLASS: C07K-000/A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; OM; PH; PL; PT; RO; RU; SD; SE; SG; SK; SL; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG



6/3, K/13 (Item 5 from file: 399)  
DI ALOG(R) File 399: CA SEARCH(R)  
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140107830 CA: 140(8)107830g JOURNAL  
Babesia divergens: cloning of a Pann binding protein 1 homolog  
AUTHOR(S): Delbecq, Stephane; Precigout, Eric; Schetters, Theo;  
Gorenflot, Andre  
LOCATION: Faculte de Pharmacie, Laboratoire de Biologie Cellulaire et  
Moleculaire, Universite Montpellier I, 34093, Montpellier, Fr.  
JOURNAL: Vet. Parasitol. (Veterinary Parasitology) DATE: 2003 VOLUME:  
115 NUMBER: 3 PAGES: 205-211 CODEN: VPARDI ISSN: 0304-4017  
PUBLISHER ITEM IDENTIFIER: 0304-4017(03)00225-5 LANGUAGE: English  
PUBLISHER: Elsevier Science B.V.

6/3, K/14 (Item 6 from file: 399)  
DI ALOG(R) File 399: CA SEARCH(R)  
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137231343 CA: 137(16)231343c PATENT  
Babesia canis-derived 15 kDa and 32 kDa proteins for use in vaccine  
compositions  
INVENTOR(AUTHOR): Schetters, Theodorus Petrus Maria; Carcy, Bernard  
Pierre Dominique; Drakulovski, Pascal Robert; Gorenflot, Andre Francois  
LOCATION: Neth.  
ASSIGNEE: Akzo Nobel N.V.  
PATENT: European Pat. Appl. ; EP 1238983 A1 DATE: 20020911  
APPLICATION: EP 200275830 (20020304) \*EP 2001200816 (20010306)  
PAGES: 41 pp. CODEN: EPXXDW LANGUAGE: English  
PATENT CLASSIFICATIONS:  
CLASS: C07K-014/44A; A61K-039/018B  
DESIGNATED COUNTRIES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL;  
SE; MC; PT; IE; SI; LT; LV; FI; RO; MK; CY; AL; TR

6/3, K/15 (Item 7 from file: 399)  
DI ALOG(R) File 399: CA SEARCH(R)  
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133349127 CA: 133(25)349127f PATENT  
Vaccination against babesiosis  
INVENTOR(AUTHOR): Schetters, Theodorus Petrus Maria; Carcy, Bernard;  
Gorenflot, Andre; Precigout, Eric; Vallet, Alexina  
LOCATION: Neth.  
ASSIGNEE: Akzo Nobel N.V.  
PATENT: European Pat. Appl. ; EP 1050541 A1 DATE: 20001108  
APPLICATION: EP 2000201485 (20000425) \*EP 99201322 (19990429)  
PAGES: 48 pp. CODEN: EPXXDW LANGUAGE: English  
PATENT CLASSIFICATIONS:  
CLASS: C07K-014/44A; A61K-039/018B; C12N-015/00B; C07K-016/20B;  
G01N-033/53B  
DESIGNATED COUNTRIES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL;  
SE; MC; PT; IE; SI; LT; LV; FI; RO

6/3, K/16 (Item 8 from file: 399)  
DI ALOG(R) File 399: CA SEARCH(R)  
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132046701 CA: 132(5)46701b JOURNAL  
Characterization and molecular cloning of an adenosine kinase from

babesia10563601.txt

Babesia canis rossi

AUTHOR(S): Carret, Celine; Delbecq, Stephane; Labesse, Gilles; Carcy, Bernard; Precigout, Eric; Moubri, Karina; Schetters, Theo P. M.; Gorenflot, Andre

LOCATION: Laboratoire de Biologie Cellulaire et Moléculaire, EA MESR 2413, UFR des Sciences Pharmaceutiques et Biologiques, F-34060, Montpellier, Fr.

JOURNAL: Eur. J. Biochem. DATE: 1999 VOLUME: 265 NUMBER: 3 PAGES: 1015-1021 CODEN: EJBCAI ISSN: 0014-2956 LANGUAGE: English PUBLISHER: Blackwell Science Ltd.

6/3, K/17 (Item 9 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

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124314874 CA: 124(23)314874j JOURNAL

A fatal case of babesiosis in Missouri: Identification of another piroplasm that infects humans

AUTHOR(S): Herwaldt, Barbara L.; Persing, David H.; Precigout, Eric A.; Goff, W. L.; Mathiesen, Dane A.; Taylor, Philip W.; Eberhard, M. L.; Gorenflot, Andre F.

LOCATION: Centers Disease Control and Prevention, Atlanta, GA, USA

JOURNAL: Ann. Intern. Med. DATE: 1996 VOLUME: 124 NUMBER: 7 PAGES: 643-50 CODEN: AIMEAS ISSN: 0003-4819 LANGUAGE: English

6/3, K/18 (Item 10 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

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122158083 CA: 122(13)158083b JOURNAL

A 37-kilodalton glycoprotein of Babesia divergens is a major component of a protective fraction containing low-molecular-mass culture-derived exoantigens

AUTHOR(S): Carcy, Bernard; Precigout, Eric; Valentin, Alexis; Gorenflot, Andre; Schrevel, Joseph

LOCATION: Laboratoire de Biologie Parasitaire Chimiothérapie, URA CNRS, F-75231, Paris, Fr.

JOURNAL: Infect. Immun. DATE: 1995 VOLUME: 63 NUMBER: 3 PAGES: 811-17 CODEN: INFI BR ISSN: 0019-9567 LANGUAGE: English

6/3, K/19 (Item 11 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

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118145480 CA: 118(15)145480w JOURNAL

Cellular and humoral immune responses induced in cattle by vaccination with Babesia divergens culture-derived exoantigens correlate with protection

AUTHOR(S): Valentin, Alexis; Precigout, Eric; L'Hostis, Monique; Carcy, Bernard; Gorenflot, Andre; Schrevel, Joseph

LOCATION: Lab. Biol. Cell., Cent. Natl. Rech. Sci., F-86022, Poitiers, Fr.

JOURNAL: Infect. Immun. DATE: 1993 VOLUME: 61 NUMBER: 2 PAGES: 734-41 CODEN: INFI BR ISSN: 0019-9567 LANGUAGE: English

6/3, K/20 (Item 12 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

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babesi a10563601.txt

116171311 CA: 116(17)171311v JOURNAL  
Lipid trafficking between high density lipoproteins and Babesia  
divergens-infected human erythrocytes  
AUTHOR(S): Valentin, Alexis; Rigomier, Daniel; Precigout, Eric; Carcy,  
Bernard; Gorenflot, Andre; Schrevel, Joseph  
LOCATION: Lab. Biol. Cell., CNRS, F-86022, Poitiers, Fr.  
JOURNAL: Biol. Cell (1981) DATE: 1991 VOLUME: 73 NUMBER: 1 PAGES:  
63-70 CODEN: BCELDF ISSN: 0248-4900 LANGUAGE: English

6/3, K/21 (Item 13 from file: 399)  
DI ALOG(R) File 399: CA SEARCH(R)  
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116055221 CA: 116(7)55221s JOURNAL  
Heat shock response of Babesia divergens and identification of the hsp70  
as an immunodominant early antigen during ox, gerbil and human babesiosis  
AUTHOR(S): Carcy, Bernard; Precigout, Eric; Valentin, Alexis; Gorenflot,  
Andre; Reese, Robert T.; Schrevel, Joseph  
LOCATION: Lab. Biol. Cell., Univ. Poitiers, 86022, Poitiers, Fr.  
JOURNAL: Biol. Cell (1981) DATE: 1991 VOLUME: 72 NUMBER: 1-2 PAGES:  
93-102 CODEN: BCELDF ISSN: 0248-4900 LANGUAGE: English

6/3, K/22 (Item 1 from file: 185)  
DI ALOG(R) File 185: Zoological Record Online(R)  
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05802133 BIOSIS No. 14305031898  
Identification of common antigens in Babesia bovis, B. bigemina, and  
B. divergens.  
AUTHORS: Figueroa, Julio V. (a); Precigout, Eric; Carcy, Bernard;  
Gorenflot, Andre  
AUTHORS ADDRESS: (a) CENID-PAVET, INIFAP, Apartado Postal 206, CIVAC,  
Morelos, 62550; Mexico figueroa.julio@inifap.gob.mx  
SOURCE: Annals of the New York Academy of Sciences 1081, October 2006:  
382-396. [Print]  
DOCUMENT TYPE: Article; Meeting paper  
ISSN: 0077-8923  
LANGUAGES: English SUMMARY LANGUAGES: English  
RECORD TYPE: Citation

Identification of common antigens in Babesia bovis, B. bigemina, and  
B. divergens.

...AUTHORS: a); Precigout, Eric; Carcy, Bernard; Gorenflot, Andre  
DESCRIPTORS:  
Babesia bigemina...

... Babesia bovis...  
... Babesia divergens--Antigens  
BROADER TERMS:  
SYSTEMATICS:  
Babesia bigemina--(Piroplasmia)  
Babesia bovis--(Piroplasmia)  
Babesia divergens--(Piroplasmia)

6/3, K/23 (Item 2 from file: 185)  
DI ALOG(R) File 185: Zoological Record Online(R)  
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05702680 BIOSIS No. 14210064035  
Identification of a coronin-like protein in Babesia species.

babesia10563601.txt

AUTHORS: Figueroa, Julio V. (a); Precigout, Eric; Carcy, Bernard;  
Gorenflot, Andre  
AUTHORS ADDRESS: (a) GENI D-PAVET, INI FAP, Apartado Postal No. 206, Cívica,  
Morelos, 2500; Mexico figueroa.julio@nifap.gob.mx  
SOURCE: Annals of the New York Academy of Sciences 1026, October 2004:  
125-138. [Print]  
DOCUMENT TYPE: Article; Meeting paper  
ISSN: 0077-8923  
LANGUAGES: English SUMMARY LANGUAGES: English  
RECORD TYPE: Abstract

Identification of a coronin-like protein in Babesia species.

...AUTHORS: a); Precigout, Eric; Carcy, Bernard; Gorenflot, Andre

ABSTRACT: The present study was designed to immunochemically identify a  
coronin-like protein in Babesia bovis, B. bigemina, B. divergens,  
and B. canis. A 2-kbp cDNA insert of B...

...protein. Polyclonal antibodies prepared in rabbits immunized with the  
purified GST-fusion protein recognized a Babesia-specific component  
of approximately 60 kDa by immunoprecipitation with (35S)  
methionine-labeled parasites. However, two molecules with relative sizes  
of 60 and 70 kDa were recognized in Babesia-infected erythrocyte  
extracts by immunoblotting analysis. The 70-kDa component was apparently  
of host erythrocyte...

...fluorescent antibody test, the rabbit serum strongly reacted with the  
merozoite stage of the four Babesia species, but also, although  
weakly, with the host erythrocyte. A cosedimentation assay performed with  
GST...

...associated to actin. From these results, we conclude that the protein  
present in the four Babesia species analyzed here may be considered  
as a novel coronin-like, actin-binding protein.

#### DESCRIPTORS:

Babesia bigemina...

... Babesia bovis...

... Babesia canis...

... Babesia divergens--Proteins

#### BROADER TERMS:

#### SYSTEMATICS:

Babesia bigemina--(Piroplasmida)

Babesia bovis--(Piroplasmida)

Babesia canis--(Piroplasmida)

Babesia divergens--(Piroplasmida)

6/3, K/24 (Item 3 from file: 185)

DIALOG(R) File 185: Zoological Record Online(R)

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05639618 BIOSIS No. 14212071224

Genetic basis for GPI-anchor merozoite surface antigen polymorphism of  
Babesia and resulting antigenic diversity.

AUTHORS: Carcy, Bernard (a); Precigout, Eric; Schettters, Theo;  
Gorenflot, Andre

AUTHORS ADDRESS: (a) UFR Sci Pharmaceut and Biol, ERT Vaccinat  
Intéroparasitaire 1038, 15 Ave Charles Flahault, BP 14491, F-34093  
Montpellier 5; France bcarcy@univ-montp1.fr

SOURCE: Veterinary Parasitology 138(1-2), May 31 2006: 33-49. [Print]

DOCUMENT TYPE: Article; Meeting paper  
ISSN: 0304-4017  
LANGUAGES: English SUMMARY LANGUAGES: English  
RECORD TYPE: Abstract

Genetic basis for GPI-anchor merozoite surface antigen polymorphism of Babesia and resulting antigenic diversity.

...AUTHORS: a); Precigout, Eric; Schetters, Theo; Gorenflot, Andre

...ABSTRACT: GPI-anchor MSA are proposed to act in the invasion process of infective merozoites of Babesia into host erythrocytes. Because of their essential function in the survival of Babesia parasites, they constitute good candidates for the development of vaccines against babesiosis and they have been extensively analyzed. These include Babesia bovis variable MSA (VMSA) and Babesia bigemina gp45/gp55 proteins of the agents of bovine babesiosis from tropical and subtropical countries, and the Babesia divergens Bd37 and Babesia canis Bc28 proteins of the main agents of bovine and canine babesiosis in Europe, respectively. However, these are very polymorphic antigens and Babesia parasites have evolved molecular mechanisms that enable these antigens to evade the host immune system..

...the antigenic diversity of B-cell epitopes that might be generated in each of these Babesia species. The picture is incomplete and no Babesia genome sequence is yet available. However, the available sequences suggest that two distinct, non cross...

...GPI-anchor MSA (i.e., with unique B-cell epitopes) may be required by all Babesia species for invasion, and that these two distinct GPI-anchor MSA would be encoded by a multigene family. Furthermore, the data are consistent with the ability of biological clones from Babesia to use these multigene families for the expression of GPI-anchor MSA, either conserved (B...

DESCRIPTORS:

Babesia - Antigens...

... Babesia,

BROADER TERMS:

SYSTEMATICS:

Babesia - (Piroplasma) - Parasite

Mammalia - Host

6/3, K/25 (Item 4 from file: 185)

DIALOG(R) File 185: Zoological Record Online(R)

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05633405 BIOSIS No. 14209057296

First molecular diagnosis of Babesia vogeli in domestic dogs from Turkey.

AUTHORS: Gulnaber, Aynur (a); Gorenflot, Andre; Schetters, Theo P.M.; Carcy, Bernard

AUTHORS ADDRESS: (a) Istanbul University, Faculty of Veterinary Medicine, Parasitology Department, 34320-Avcilar, Istanbul; Turkey  
aynur.g@istanbul.edu.tr

SOURCE: Veterinary Parasitology 139(1-3), June 30 2006: 224-230. [Print]

DOCUMENT TYPE: Article

ISSN: 0304-4017

LANGUAGES: English SUMMARY LANGUAGES: English

RECORD TYPE: Abstract

First molecular diagnosis of Babesia vogeli in domestic dogs from

Turkey.

...AUTHORS: a); Gorenflot, Andre; Schetters, Theo P.M.; Carcy, Bernard

...ABSTRACT: from Turkey revealed the presence of large (around 4.5-5.0 [mu]m) intraerythrocytic Babesia parasites in all dogs. DNA was extracted from the three infected blood samples and an around 410 bp portion of the 18 S rDNA gene of Babesia species was PCR amplified for subsequent molecular characterization. RFLP analysis of the PCR products suggested...

...Comparisons with the equivalent 410 bp portions of the 18 S rDNA gene of Babesia species confirmed the affiliation of these isolates to the B. vogeli species. This is the first report and molecular characterization of dog infection with a large Babesia species in Turkey. [copyright] 2006 Elsevier B.V. All rights reserved.

DESCRIPTORS:

Babesia vogeli -- Mammalian hosts...

... Babesia vogeli

BROADER TERMS:

SYSTEMATICS:

Babesia vogeli -- (Piroplasma) -- Parasite...

6/3, K/26 (Item 5 from file: 185)

DIALOG(R) File 185: Zoological Record Online(R)

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04862516 BIOSIS No. 13900065146

Babesia divergens: Cloning of a Ran binding protein 1 homologue.

AUTHORS: Delbecq, Stephane; Precigout, Eric (a); Schetters, Theo;

Gorenflot, Andre

AUTHORS ADDRESS: (a) Laboratoire de Biologie Cellulaire et Molculaire, Faculte de Pharmacie, Universite Montpellier I, 15 Avenue C. Flahault, B.P. 14 491, 34093, Montpellier Cedex 5; France

SOURCE: Veterinary Parasitology 115(3), 29 July 2003: 205-211. [Print]

DOCUMENT TYPE: Article

ISSN: 0304-4017

LANGUAGES: English SUMMARY LANGUAGES: English

RECORD TYPE: Abstract

Babesia divergens: Cloning of a Ran binding protein 1 homologue.

...AUTHORS: a); Schetters, Theo; Gorenflot, Andre

ABSTRACT: Babesia divergens is an Apicomplexa transmitted to bovines by its acarian vector, the tick I. ricinus. Babesia divergens merozoites have an intraerythrocytic development in the blood of infected mammals. The nucleocytoplasmic transport...

DESCRIPTORS:

Babesia divergens -- Proteins...

BROADER TERMS:

SYSTEMATICS:

Babesia divergens (Piroplasma)

6/3, K/27 (Item 6 from file: 185)

DIALOG(R) File 185: Zoological Record Online(R)

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04563108 BIOSIS No. 13600013730

babesia10563601.txt

*Babesia canis canis*, *Babesia canis vogeli*, *Babesia canis rossi*: differentiation of the three subspecies by a restriction fragment length polymorphism analysis on amplified small subunit ribosomal RNA genes.

AUTHORS: Carret, Celine; Valas, Fabien; Carcy, Bernhard; Grande, Nathalie; Precigout, Eric; Moubri, Karina; Schetters, Theo P.; Gorenflot, Andre (a)

AUTHORS ADDRESS: (a) Laboratoire de Biologie Cellulaire et Moleculaire, EA MESR 2413, UFR des Sciences Pharmaceutiques et Biologiques, 15 avenue Charles Flahault, F-34060 Montpellier cedex 2; France

SOURCE: Journal of Eukaryotic Microbiology 46(3), May-June 1999: 298-303.

[Print]

DOCUMENT TYPE: Article

ISSN: 1066-5234

LANGUAGES: English SUMMARY LANGUAGES: English

RECORD TYPE: Citation

*Babesia canis canis*, *Babesia canis vogeli*, *Babesia canis rossi*: differentiation of the three subspecies by a restriction fragment length polymorphism analysis on...

AUTHORS: Carret, Celine; Valas, Fabien; Carcy, Bernhard; Grande, Nathalie; Precigout, Eric; Moubri, Karina; Schetters, Theo P.; Gorenflot, Andre

DESCRIPTORS:

*Babesia canis canis*...

...*Babesia canis rossi*...

...*Babesia canis vogeli*--Identification techniques

BROADER TERMS:

SYSTEMATICS:

*Babesia canis canis* (Piroplasma)--Parasite

*Babesia canis rossi* (Piroplasma)--Parasite

*Babesia canis vogeli* (Piroplasma)--Parasite

6/3, K/28 (Item 7 from file: 185)

DIALOG(R) File 185: Zoological Record Online(R)

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04235698 BIOSIS No. 13100058349

Babesial infections in humans and wildlife.

AUTHORS: Telford, Sam R., III; Gorenflot, Andre; Brasseur, Philippe; Spielman, Andrew

SOURCE: Kreier, Julius P. [Ed.]. Parasitic Protozoa. Volume 5. Second edition. Academic Press, Inc., San Diego, New York etc. 1993: i-xvii, 1-343. Chapter pagination: 1-47. [Print]

DOCUMENT TYPE: Book chapter

ISBN: 0124260152

LANGUAGES: English

RECORD TYPE: Citation

AUTHORS: Telford, Sam R., III; Gorenflot, Andre; Brasseur, Philippe; Spielman, Andrew

DESCRIPTORS:

*Babesia*--Life cycle...

...biology & epizootiology

*Babesia* divergens...

...*Babesia microti*--Human hosts...

...*Babesia*, ...

... Babesi a (Prot ozoa...

... Babesi a,  
BROADER TERMS:  
SYSTEMATI CS:

Babesi a (Pi ropl asmi a) -- Parasi te  
Babesi a di ver gens (Pi ropl asmi a) -- Parasi te  
Babesi a mi croti (Pi ropl asmi a) -- Parasi te  
Ixodi dae (Acari) -- Host, Parasi te  
Mammali a -- Host

6/3, K/29 (Item 8 from file: 185)  
DIALOG(R) File 185: Zool ogi cal Record Onl ine(R)  
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04221349 BIOSIS No. 13100044043  
Babesi a di ver gens: characterizati on of a 17-kDa mer ozoite membrane  
protei n.  
AUTHORS: Preci gout, Eric; Val entin, Alexi s; Carcy, Bernard; Gor enfl ot,  
Andre; Nakamura, Kei -Ichi ro; Ai kawa, Masami chi; Schrevel, Joseph  
SOURCE: Experiment al Parasit ology 77(4), December 1993:425-434. [Print]  
DOCUMENT TYPE: Article  
ISSN: 0014-4894  
LANGUAGES: English SUMMARY LANGUAGES: English  
RECORD TYPE: Citati on

Babesi a di ver gens: characterizati on of a 17-kDa mer ozoite membrane  
protei n.  
AUTHORS: Preci gout, Eric; Val entin, Alexi s; Carcy, Bernard; Gor enfl ot,  
Andre; Nakamura, Kei -Ichi ro; Ai kawa, Masami chi; Schrevel, Joseph  
DESCR PTORS:  
Babesi a di ver gens-- Ant i gens...  
BROADER TERMS:  
SYSTEMATI CS:  
Babesi a di ver gens (Pi ropl asmi a)  
? e au=schetters, theo?

Ref	Items	Index-term
E1	1	AU=SCHETTERS, THEO PM
E2	0	*AU=SCHETTERS, THEO?
E3	4	AU=SCHETTERS, THEODORUS PETRUS MARI A
E4	6	AU=SCHETTERS, THPM
E5	1	AU=SCHETTERS, TP
E6	20	AU=SCHETTERS, TPM
E7	3	AU=SCHETTERT I
E8	6	AU=SCHETTERT I T
E9	1	AU=SCHETTERT I.
E10	14	AU=SCHETTERT I. T.
E11	6	AU=SCHETTERT I SOLMAR
E12	17	AU=SCHETTERT I SOLMAR T

Enter P or PAGE for more

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S7 4 AU=' SCHETTERS, THEODORUS PETRUS MARI A'  
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32118 BABESI A  
S8 4 S7 AND BABESI A  
? rd

>>>Duplicate detection is not supported for File 393.



babesia10563601.txt

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S9 4 RD (unique items)

? t s9/3, k/1-4

>>>KW C option is not available in file(s): 399

9/3, K/1 (Item 1 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

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142217363 CA: 142(12)217363f PATENT

Babesia 28kDa protein family for vaccination

INVENTOR(AUTHOR): Carcy, Bernard Pierre Dominique; Gorenflot, Andre  
Francois; Schetters, Theodorus Petrus Maria; Girelous, Prisca Laetitia;  
Moubri, Karina; Depoix, Delphine

LOCATION: Neth.

ASSIGNEE: Akzo Nobel N.V.

PATENT: PCT International ; WO 200512343 A1 DATE: 20050210

APPLICATION: WO 2004EP51454 (20040712) \*EP 200377178 (20030710)

PAGES: 81 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: C07K-014/44A; G01N-033/569B; A61K-039/018B

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;  
BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;  
GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS;  
LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;  
PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US;  
UZ; VC; VN; YU; ZA; ZM; ZW DESIGNATED REGIONAL: BW; GH; GM; KE; LS; MW; MZ;  
; NA; SD; SL; SZ; TZ; UG; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT;  
BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;  
PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR;  
NE; SN; TD; TG

9/3, K/2 (Item 2 from file: 399)

DI ALOG(R) File 399: CA SEARCH(R)

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140127189 CA: 140(9)127189h PATENT

Immunogen comprising a fusion protein and a saponin adjuvant use as  
vaccine

INVENTOR(AUTHOR): Delbecq, Stephane; Precigout, Eric; Gorenflot, Andre  
Francois; Schetters, Theodorus Petrus Maria

LOCATION: Neth.

ASSIGNEE: Akzo Nobel NV

PATENT: PCT International ; WO 200407525 A2 DATE: 20040122

APPLICATION: WO 2003EP7477 (20030709) \*EP 200277800 (20020710)

PAGES: 39 pp. CODEN: PIXXD2 LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: C07K-000/A

DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ;  
CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH;  
GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU;  
LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NZ; OM; PH; PL; PT; RO; RU; SD; SE;  
SG; SK; SL; TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZM; ZW AM;  
AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW; MZ;  
; SD; SL; SZ; TZ; UG; ZM; ZW AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI;  
FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG;  
CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

9/3, K/3 (Item 3 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

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137231343 CA: 137(16)231343c PATENT

Babesia canis-derived 15 kDa and 32 kDa proteins for use in vaccine compositions

INVENTOR(AUTHOR): Schetters, Theodorus Petrus Maria; Carcy, Bernard  
Pierre Dominique; Drakulovski, Pascal Robert; Gorenflot, Andre Francois  
LOCATION: Neth.

ASSIGNEE: Akzo Nobel N.V.

PATENT: European Pat. Appl. ; EP 1238983 A1 DATE: 20020911

APPLICATION: EP 200275830 (20020304) \*EP 2001200816 (20010306)

PAGES: 41 pp. CODEN: EPXXDW LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: C07K-014/44A; A61K-039/018B

DESIGNATED COUNTRIES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL;  
SE; MC; PT; IE; SI; LT; LV; FI; RO; MK; CY; AL; TR

9/3, K/4 (Item 4 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

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133349127 CA: 133(25)349127f PATENT

Vaccination against babesiosis

INVENTOR(AUTHOR): Schetters, Theodorus Petrus Maria; Carcy, Bernard;  
Gorenflot, Andre; Precigout, Eric; Vallet, Alexina  
LOCATION: Neth.

ASSIGNEE: Akzo Nobel N.V.

PATENT: European Pat. Appl. ; EP 1050541 A1 DATE: 20001108

APPLICATION: EP 2000201485 (20000425) \*EP 99201322 (19990429)

PAGES: 48 pp. CODEN: EPXXDW LANGUAGE: English

PATENT CLASSIFICATIONS:

CLASS: C07K-014/44A; A61K-039/018B; C12N-015/00B; C07K-016/20B;

G01N-033/53B

DESIGNATED COUNTRIES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL;  
SE; MC; PT; IE; SI; LT; LV; FI; RO

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Ref Items Index-term

E1	0	*AU=CI BRELUS, PR?
E2	1	AU=CI BRELUS, PRI SCA LAETI TI A
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E4	1	AU=CI BREV, DEJAN
E5	1	AU=CI BRI AN, S.
E6	1	AU=CI BRI AN A M
E7	10	AU=CI BRI AN D
E8	11	AU=CI BRI AN D.
E9	13	AU=CI BRI AN DANAY
E10	3	AU=CI BRI AN DAVI D
E11	4	AU=CI BRI AN E
E12	3	AU=CI BRI AN E.

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S10 1 AU=' CI BRELUS, PRI SCA LAETI TI A'

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10/3, K/1 (Item 1 from file: 399)

DIALOG(R) File 399: CA SEARCH(R)

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babesi a10563601.txt  
 142217363 CA: 142(12)217363f PATENT  
 Babesia 28kDa protein family for vaccination  
 INVENTOR(AUTHOR): Carcy, Bernard Pierre Dominique; Gorenflot, Andre  
 Francois; Schetters, Theodorus Petrus Maria; Girelous, Prisca Laetitia;  
 Moubri, Karina; Depoux, Delphine  
 LOCATION: Neth.  
 ASSIGNEE: Akzo Nobel N.V.  
 PATENT: PCT International ; WO 200512343 A1 DATE: 20050210  
 APPLICATION: WO 2004EP51454 (20040712) \*EP 200377178 (20030710)  
 PAGES: 81 pp. CODEN: PIXXD2 LANGUAGE: English  
 PATENT CLASSIFICATIONS:  
 CLASS: C07K-014/44A; G01N-033/569B; A61K-039/018B  
 DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;  
 BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;  
 GE; GH; GM; GR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS;  
 LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;  
 PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US;  
 UZ; VC; VN; YU; ZA; ZM; ZW DESIGNATED REGIONAL: BW; GH; GM; KE; LS; MW; MZ  
 ; NA; SD; SL; SZ; TZ; UG; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT;  
 BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;  
 PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR;  
 NE; SN; TD; TG  
 ? e au=moubri, kar?

Ref	Items	Index-term
E1	8	AU=MOUBRI, K
E2	21	AU=MOUBRI, K.
E3	0	*AU=MOUBRI, KAR?
E4	4	AU=MOUBRI, KARI NA
E5	2	AU=MOUBRY M E
E6	1	AU=MOUBRY ME
E7	12	AU=MOUBRY R J
E8	1	AU=MOUBRY R P
E9	1	AU=MOUBRY RJ
E10	1	AU=MOUBRY, J. G
E11	1	AU=MOUBRY, M E.
E12	1	AU=MOUBRY, MARYJO E

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? s e1-e4

	8	AU=MOUBRI, K
	21	AU=MOUBRI, K.
	0	AU=MOUBRI, KAR?
	4	AU=MOUBRI, KARI NA
S11	33	E1-E4

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	33	S11
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S12	31	S11 AND BABESI A

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>>>Duplicate detection is not supported for File 393.

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S13 12 RD (unique items)

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>>>KW C option is not available in file(s): 399

13/3, K/1 (Item 1 from file: 24)

DIALOG(R) File 24: CSA Life Sciences Abstracts

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babesi a10563601.txt

0002830250 IP ACCESSI ON NO: 6839595

Onset and duration of immunity against Babesia canis infection in dogs vaccinated with antigens from culture supernatants

Schettters, TPM; Kleuskens, JAGM; Scholtes, NC; Van de Grommert, J; Krijnen, E; Moubri, K; Gorenflot, A; Vermeulen, AN  
Parasitology R&D Department, Intervet International B.V., P.O. Box 31, 5830 AA Boxmeer, The Netherlands, [mailto:theo.schettters@intervet.com]

Veterinary Parasitology, v 138, n 1-2, p 140-146, May 2006  
PUBLICATION DATE: 2006

PUBLISHER: Elsevier Science B.V., P.O. Box 211 Amsterdam 1000 AE Netherlands, [mailto:nlinfo-f@elsevier.nl], [URL: http://www.elsevier.nl/]

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0304-4017

FILE SEGMENT: Al gology, Mycol ogy & Prot ozoology Abstracts (Microbiology C)

Onset and duration of immunity against Babesia canis infection in dogs vaccinated with antigens from culture supernatants

Schettters, TPM; Kleuskens, JAGM; Scholtes, NC; Van de Grommert, J; Krijnen, E; Moubri, K; Gorenflot, A; Vermeulen, AN

#### ABSTRACT:

It has previously been shown that dogs can be vaccinated against heterologous Babesia canis infection using a vaccine containing soluble parasite antigens (SPA) from in vitro cultures of...

DESCR IPTORS: Vaccination; Immunity; Infection; Parasites; Saponins; Blood; Vaccines; Statistical analysis; Babesia canis

13/3, K/2 (Item 2 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
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0002451061 IP ACCESSI ON NO: 5570271

Antibodies Raised against Bc vir 15, an Extrachromosomal Double-Stranded RNA-Encoded Protein from Babesia canis, Inhibit the In Vitro Growth of the Parasite

Drakulovski, P; Carcy, B\*; Moubri, K; Carret, C; Depoix, D; Schettters, TPM; Gorenflot, A  
Laboratoire de Biologie Cellulaire et Moléculaire, EA MESR 2413, UFR des Sciences Pharmaceutiques et Biologiques, 15 Avenue Charles Flahault, BP 14491, F-34093 Montpellier Cedex 5, France, [mailto:bcarcy@univ-montp1.fr]

Infection and Immunity, v 71, n 3, p 1056-1067, March 2003  
PUBLICATION DATE: 2003

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0019-9567

FILE SEGMENT: Nucl eic Aci ds Abstracts; Al gology, Mycol ogy & Prot ozoology

Abstracts (Microbiology C); Genetics Abstracts; Immunology Abstracts

Antibodies Raised against Bc vir 15, an Extrachromosomal Double-Stranded RNA-Encoded Protein from Babesia canis, Inhibit the In Vitro Growth of the Parasite

Drakulovski, P; Carcy, B\*; Moubri, K; Carret, C; Depoix, D;  
Schetters, TPM; Gorenflot, A

ABSTRACT:

... for homologous members of the Plasmodium falciparum Pf 60 multi gene family in the intraerythrocytic protozoan parasite Babesia canis, we report here the characterization of a cDNA of 1,115 bp, which was...

DESCRIPTORS: Antibodies; cDNA; Merozoites; Nucleotide sequence;  
Epitopes; Bc vir 15 protein; vir 15 protein; Babesia canis

13/3, K/3 (Item 3 from file: 24)  
DI ALOG(R) File 24: CSA Life Sciences Abstracts  
(c) 2009 CSA. All rts. reserv.

0002260714 I P ACCESSI ON NO: 5236025  
Vaccination of dogs against heterologous Babesia canis infection  
using antigens from culture supernatants

Schetters, TPM; Kleuskens, JAGM; Scholtes, NC; Gorenflot, A; Moubri,  
K; Vermeulen, AN  
Parasitology R&D Department, Intervet International B.V., P.O. Box 315830,  
AA Boxmeer, The Netherlands, [mailto:theo.schetters@intervet.com]

Veterinary Parasitology, v 100, n 1-2, p 75-86, September 2001  
PUBLICATION DATE: 2001

DOCUMENT TYPE: Journal Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
ISSN: 0304-4017  
FILE SEGMENT: Al gology, Mycol ogy & Prot ozoology Abstracts (Microbiology C)

Vaccination of dogs against heterologous Babesia canis infection  
using antigens from culture supernatants

Schetters, TPM; Kleuskens, JAGM; Scholtes, NC; Gorenflot, A; Moubri,  
K; Vermeulen, AN

ABSTRACT:

Soluble parasite antigens (SPA) from European Babesia canis can be used to protect dogs against a homologous but not heterologous challenge infection...

... a mixture of SPA from both, a European B. canis isolate and a South African Babesia rossi isolate, protective immunity against heterologous B. canis infection is induced. Three groups of five...

DESCRIPTORS: Erythrocytes; Antibody response; Babesiosis; Antigens;  
Vaccines; Immune response; Babesia rossi; Babesia canis;  
Europe; South Africa

babesi a10563601.txt

13/3, K/4 (Item 4 from file: 24)  
DI ALOG(R) File 24: CSA Life Sciences Abstracts  
(c) 2009 CSA. All rts. reserv.

0002066557 IP ACCESSI ON NO: 4670628  
Characterization and molecular cloning of an adenosine kinase from  
*Babesia canis rossi*

Carret, C; Delbecq, S; Labesse, G; Carcy, B\*; Precigout, E; Moubri,  
K; Schetters, TPM; Gorenflot, A  
Laboratoire de Biologie Cellulaire et Moléculaire, EA MESR 2413, UFR des  
Sciences Pharmaceutiques et Biologiques, Montpellier, France

European Journal of Biochemistry, v 265, n 3, p 1015-1021, November 1999  
PUBLICATION DATE: 1999

DOCUMENT TYPE: Journal Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
ISSN: 0014-2956  
FILE SEGMENT: Genetics Abstracts; Al gology, Mycol ogy & Prot ozoology  
Abstracts (Microbiology G)

Characterization and molecular cloning of an adenosine kinase from  
*Babesia canis rossi*

Carret, C; Delbecq, S; Labesse, G; Carcy, B\*; Precigout, E; Moubri,  
K; Schetters, TPM; Gorenflot, A

ABSTRACT:

In the search for immunoprotective antigens of the intraerythrocytic  
*Babesia canis rossi* parasite, a new cDNA was cloned and sequenced.  
Protein sequence database searches suggested...

DESCRIPTORS: Adenosine kinase; Nucleotide sequence; ATP; Bcr AK protein;  
*Babesia canis rossi*

13/3, K/5 (Item 5 from file: 24)  
DI ALOG(R) File 24: CSA Life Sciences Abstracts  
(c) 2009 CSA. All rts. reserv.

0002003144 IP ACCESSI ON NO: 4572665  
*Babesia canis canis*, *Babesia canis vogeli*, *Babesia canis*  
*rossi*: Differentiation of the three subspecies by a restriction Fragment  
length polymorphism analysis on amplified small subunit ribosomal RNA genes

Carret, C; Valas, F; Carcy, B; Grande, N; Precigout, E; Moubri,  
K; Schetters, TP; Gorenflot, A\*  
Laboratoire de Biologie Cellulaire et Moléculaire, EA MESR 2413, UFR des  
Sciences Pharmaceutiques et Biologiques, 15 avenue Charles Flahault,  
F-34060 Montpellier cedex 2, France,  
[mailto:agorenflot@w3.pharma.uni-v-montpl.fr]

Journal of Eukaryotic Microbiology, v 46, n 3, p 298-303, June 1999  
PUBLICATION DATE: 1999

DOCUMENT TYPE: Journal Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English

ISSN: 1066-5234

FILE SEGMENT: Genetics Abstracts; Al g o l o g y, M y c o l o g y & P r o t o z o o l o g y  
Abstracts ( M c r o b i o l o g y C )

Babesia canis canis, Babesia canis vogeli, Babesia canis  
rossi: Differentiation of the three subspecies by a restriction Fragment  
length polymorphism analysis on...

Carret, C; Valas, F; Carcy, B; Grande, N; Precigout, E; Moubri,  
K; Schetters, TP; Gorenflot, A\*

ABSTRACT:

The parasites Babesia canis and Babesia gibsoni (phylum  
Apicomplexa) are responsible for canine babesiosis throughout the world.  
Babesia canis was previously described as a group of three  
biologically different subspecies, namely B. canis...

...with primers derived from a semi-conserved region of the ssu-rDNA genes  
in other Babesia species. The polymerase chain reaction combined with  
a restriction fragment length polymorphism analysis, using HinfI...

...B. canis into three subspecies. These sequences were compared with  
previously published sequences of other Babesia species. A  
phylogenetic approach showed that the three subspecies of B. canis belong  
to the clade of Babesia species sensu stricto where B. canis canis  
clusters with B. canis rossi whereas B. canis...

DESCRIP TORS: Phylogeny; rRNA; Restriction fragment length polymorphism  
babesiosis; Babesia canis canis; Babesia canis vogeli;  
Babesia canis rossi; Babesia canis; Babesia gibsoni

13/3, K/6 (Item 6 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
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0001954772 I P ACCESSI ON NO: 4482680  
Comparison between aseric and seric culture-derived exoantigens of  
Babesia divergens in their ability to induce immunoprotection in  
gerbils

Grande, N; Precigout, E; Camillieri, S; Carcy, B; Moubri, K;  
Gorenflot, A\*  
Laboratoire de Biologie Cellulaire et Moléculaire, EA MENRT 2413 UFR des  
Sciences Pharmaceutiques et Biologiques 15, Avenue Charles Flahault,  
F-34060 Montpellier, Cedex 02, France,  
[mailto:agorenf@pharma.univ-montpl.fr]

Parasitology International, v 47, n 4, p 269-279, December 1998  
PUBLICATION DATE: 1998

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 1383-5769

FILE SEGMENT: Al g o l o g y, M y c o l o g y & P r o t o z o o l o g y Abstracts ( M c r o b i o l o g y C )

Comparison between aseric and seric culture-derived exoantigens of  
Babesia divergens in their ability to induce immunoprotection in  
gerbils

Grande, N; Precigout, E; Camillieri, S; Carcy, B; Moubri, K;

Gorenflot, A\*

ABSTRACT:

*Babesia divergens* Rouen 1987 was cultivated with a high percentage of parasitized erythrocytes (30-40%) in...

DESCRIPTORS: Media (culture); Serum; Antigens; Vaccines; Antibody response; 92kDa protein; 50kDa protein; 37kDa protein; *Babesia divergens*

13/3, K/7 (Item 7 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
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0001882764 IP ACCESSION NO: 4345140  
Different *Babesia canis* isolates, different diseases

Schettters, TPM; Mubri, K; Precigout, E; Kleuskens, J; Scholtes, NC; Gorenflot, A  
Dep. Parasitol., Intervet Intl. BV, Postbus 31, 5830 AA Boxmeer, The Netherlands

Parasitology, v 115, n 5, p 485-493, November 1997  
PUBLICATION DATE: 1997

DOCUMENT TYPE: Journal Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
ISSN: 0031-7820  
FILE SEGMENT: Al gology, Mycol ogy & Prot ozoology Abstracts (M cr obi ol ogy C)

Different *Babesia canis* isolates, different diseases

Schettters, TPM; Mubri, K; Precigout, E; Kleuskens, J; Scholtes, NC; Gorenflot, A

ABSTRACT:

Using surface immunofluorescence isolate-specific antigens were detected on the membrane of erythrocytes infected with *Babesia* parasites. In addition, the strains reacted differently with Plasmagel in that the European isolate (B...

...of the South-African isolate (B.c. rossi) could not. Experimental infection of dogs with *Babesia canis* isolates from geographically different areas revealed different pathology. The European isolate obtained from France...

DESCRIPTORS: dogs; vaccines; babesiosis; antigens; geographical variations; *Babesia canis*; *Babesia canis rossi*

13/3, K/8 (Item 8 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
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0001780399 IP ACCESSION NO: 4214950  
Continuous in vitro culture of *Babesia divergens* in a serum-free medium



babesi a10563601.txt

Grande, N; Precigout, E; Ancelin, M; Moubri, K; Carcy, B;  
Lemesre, JL; Vial, H; Gorenflot, A\*  
Lab. de Biologie Cellulaire et Moléculaire, UPRES No. 699, UFR des Sci.  
Pharmaceutiques et Biologiques, 15 Ave. Charles Flahault, F-34060  
Montpellier Cedex 02, France

Parasitology, v 115, n 1, p 81-90, July 1997  
PUBLICATION DATE: 1997

DOCUMENT TYPE: Journal Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
ISSN: 0031-7820  
FILE SEGMENT: Al g o l o g y, M y c o l o g y & P r o t o z o o l o g y A b s t r a c t s ( M c r o b i o l o g y C )

Continuous in vitro culture of Babesia divergens in a serum-free  
medium

Grande, N; Precigout, E; Ancelin, M; Moubri, K; Carcy, B;  
Lemesre, JL; Vial, H; Gorenflot, A\*

ABSTRACT:

Babesia divergens was cultivated in RPM 1640 (25 mM HEPES)  
supplemented with 10% human serum (RPM...

DESCRIPTORS: continuous culture; media (culture); Babesia divergens

13/3, K/9 (Item 1 from file: 50)  
DIALOG(R) File 50: CAB Abstracts  
(c) 2009 CAB International. All rights reserved.

0007590716 CAB Accession Number: 19980806081

Human babesiosis.  
Gorenflot, A.; Moubri, K.; Precigout, E.; Carcy, B.; Schetters, T. P. M.  
E. A. No. 2413, Laboratoire de Biologie Cellulaire et Moléculaire, UFR  
Pharmacie, Université Montpellier I, 15 Avenue Charles Flahault, F-34060  
Montpellier Cedex 2, France.  
Conference Title: Proceedings of the 9th Malaria Meeting of the British  
Society for Parasitology, Liverpool, UK, 15-17 September, 1997.  
Annals of Tropical Medicine and Parasitology vol. 92 (4): p.489-501  
Publication Year: 1998  
ISSN: 0003-4983  
Editors: Wallbanks, K. R.; Hommel, M  
Language: English  
Record Type: Abstract  
Document Type: Conference paper; Journal article

...and asymptomatic babesiosis. The majority of the 28 cases reported in  
Europe were due to Babesia divergens, whereas the majority of cases  
reported in the USA were due to B. microti, but other emerging  
Babesia spp. (currently known as WA SUB 1, CA SUB 1 and MO SUB 1)  
are...

ORGANISM DESCRIPTORS: Babesia divergens...

... Babesia microti  
BROADER TERMS: Babesia;  
Gorenflot, A.; Moubri, K.; Precigout, E.; Carcy, B.; Schetters, T.  
P. M

13/3, K/10 (Item 1 from file: 399)  
DI ALOG(R) File 399: CA SEARCH(R)  
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142217363 CA: 142(12)217363f PATENT  
Babesia 28kDa protein family for vaccination  
INVENTOR(AUTHOR): Carcy, Bernard Pierre Dominique; Gorenflot, Andre  
Francois; Schetters, Theodorus Petrus Maria; Girelous, Prisca Laetitia;  
Moubri, Karina; Depoix, Delphine  
LOCATION: Neth.  
ASSIGNEE: Akzo Nobel N.V.  
PATENT: PCT International ; WO 200512343 A1 DATE: 20050210  
APPLICATION: WO 2004EP51454 (20040712) \*EP 200377178 (20030710)  
PAGES: 81 pp. CODEN: PIXXD2 LANGUAGE: English  
PATENT CLASSIFICATIONS:  
CLASS: C07K-014/44A; G01N-033/569B; A61K-039/018B  
DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BW; BY;  
BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI; GB; GD;  
GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS;  
LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;  
PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US;  
UZ; VC; VN; YU; ZA; ZM; ZW DESIGNATED REGIONAL: BW; GH; GM; KE; LS; MW; MZ;  
; NA; SD; SL; SZ; TZ; UG; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT;  
BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;  
PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR;  
NE; SN; TD; TG

13/3, K/11 (Item 1 from file: 185)  
DI ALOG(R) File 185: Zoological Record Online(R)  
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04563108 BIOSIS No. 13600013730  
Babesia canis canis, Babesia canis vogeli, Babesia canis  
rossi: differentiation of the three subspecies by a restriction fragment  
length polymorphism analysis on amplified small subunit ribosomal RNA  
genes.  
AUTHORS: Carret, Celine; Valas, Fabien; Carcy, Bernhard; Grande, Nathalie;  
Precigout, Eric; Moubri, Karina; Schetters, Theo P.; Gorenflot, Andre  
(a)  
AUTHORS ADDRESS: (a) Laboratoire de Biologie Cellulaire et Moléculaire, EA  
MESR 2413, UFR des Sciences Pharmaceutiques et Biologiques, 15 avenue  
Charles Flahault, F-34060 Montpellier cedex 2, France  
SOURCE: Journal of Eukaryotic Microbiology 46(3), May-June 1999: 298-303.  
[Print]  
DOCUMENT TYPE: Article  
ISSN: 1066-5234  
LANGUAGES: English SUMMARY LANGUAGES: English  
RECORD TYPE: Citation

Babesia canis canis, Babesia canis vogeli, Babesia canis  
rossi: differentiation of the three subspecies by a restriction fragment  
length polymorphism analysis on...  
AUTHORS: Carret, Celine; Valas, Fabien; Carcy, Bernhard; Grande, Nathalie;  
Precigout, Eric; Moubri, Karina; Schetters, Theo P.; Gorenflot, Andre  
...  
DESCRIPTORS:  
Babesia canis canis...

... Babesia canis rossi ...

... Babesia canis vogeli -- Identification techniques

## BROADER TERMS:

## SYSTEMATICS:

Babesi a canis canis (Pi ropl asmi a) -- Par asite  
 Babesi a canis rossi (Pi ropl asmi a) -- Par asite  
 Babesi a canis vogeli (Pi ropl asmi a) -- Par asite

13/3, K/12 (Item 2 from file: 185)

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04426830 BIOSIS No. 13400024977

Continuous in vitro culture of Babesi a divergens in a serum-free  
 medium

AUTHORS: Grande, N.; Precigout, E.; Ancelin, M.L.; Moubri, K.; Carcy,  
 B.; Lemesre, J.L.; Vial, H.; Gorenflot, A. (a)

AUTHORS ADDRESS: (a) Laboratoire de Biologie Cellulaire et Moléculaire,  
 UPRES No. 699, UFR des Sciences Pharmaceutiques et Biologiques, 15 Avenue  
 Charles Flahault, F-34060 Montpellier Cedex 02; France

SOURCE: Parasitology 115(1), July 1997: 81-89. [Print]

DOCUMENT TYPE: Article

ISSN: 0031-1820

LANGUAGES: English SUMMARY LANGUAGES: English

RECORD TYPE: Citation

Continuous in vitro culture of Babesi a divergens in a serum-free  
 medium

AUTHORS: Grande, N.; Precigout, E.; Ancelin, M.L.; Moubri, K.; Carcy,  
 B.; Lemesre, J.L.; Vial, H.; Gorenflot, A...

## DESCRPTORS:

Babesi a divergens--Laboratory culture...

## BROADER TERMS:

## SYSTEMATICS:

Babesi a divergens (Pi ropl asmi a)

? e au=depoix, delph?

Ref	Items	Index-term
E1	5	AU=DEPOIX, D
E2	15	AU=DEPOIX, D.
E3	0	*AU=DEPOIX, DELPH?
E4	9	AU=DEPOIX, DELPHI NE
E5	2	AU=DEPOIX, F
E6	8	AU=DEPOIX, F.
E7	6	AU=DEPOIX, FRANK
E8	1	AU=DEPOIX, J. M
E9	10	AU=DEPOIX, J. P.
E10	6	AU=DEPOIX, J. - P.
E11	1	AU=DEPOIX, JEAN- POL
E12	1	AU=DEPOIX, JP

Enter P or PAGE for more

? s e1-e4

5	AU=DEPOIX, D
15	AU=DEPOIX, D.
0	AU=DEPOIX, DELPH?
9	AU=DEPOIX, DELPHI NE
S14	29 E1-E4

? rd

>>>Duplicate detection is not supported for File 393.

>>>Duplicate detection is not supported for File 391.

babesi a10563601.txt  
>>>Records from unsupported files will be retained in the RD set.

S15 12 RD (unique items)

? s s15 and babesia

12 S15

32118 BABESI A

S16 4 S15 AND BABESI A

? t s16/3,k/1-4

>>>KW C option is not available in file(s): 399

16/3, K/1 (Item 1 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
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0002536686 IP ACCESSION NO: 5813674  
Chromosome number, genome size and polymorphism of European and South African isolates of large Babesia parasites that infect dogs

Depoix, D; Carcy, B; Jumas-Bilak, E; Pages, M; Precigout, E;  
Schetters, TPM; Ravel, C; Gorenflot, A  
Laboratoire de Biologie Cellulaire et Moléculaire, EA MESR 2413, UFR des  
Sciences Pharmaceutiques et Biologiques, 15 avenue Charles Flahault, BP  
14491, F-34093 Montpellier cedex 5, France

Parasitology, v 125, n 4, p 313-321, October 2002  
PUBLICATION DATE: 2002

DOCUMENT TYPE: Journal Article  
RECORD TYPE: Abstract  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
ISSN: 0031-7820  
FILE SEGMENT: Allology, Mycology & Protozoology Abstracts (Microbiology C)

Chromosome number, genome size and polymorphism of European and South African isolates of large Babesia parasites that infect dogs

Depoix, D; Carcy, B; Jumas-Bilak, E; Pages, M; Precigout, E;  
Schetters, TPM; Ravel, C; Gorenflot...

#### ABSTRACT:

... intact chromosomes from 2 isolates of each of the 2 most pathogenic species of large Babesia parasites that infect dogs, i.e. Babesia canis (European species) and B. rossi (South African species), revealed 5 chromosomes in their haploid...

DESCRIPTORS: Pulsed-field gel electrophoresis; Chromosomes; Polymorphism; Animal isolates; Hybridization analysis; dogs; Babesia canis; Babesia rossi; Europe; South Africa

16/3, K/2 (Item 2 from file: 24)  
DIALOG(R) File 24: CSA Life Sciences Abstracts  
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0002451061 IP ACCESSION NO: 5570271  
Antibodies Raised against BcVir15, an Extrachromosomal Double-Stranded RNA-Encoded Protein from Babesia canis, Inhibit the In Vitro Growth of the Parasite

Drakulovski, P; Carcy, B\*; Moubri, K; Carret, C; Depoix, D;  
Schetters, TPM; Gorenflot, A  
Laboratoire de Biologie Cellulaire et Moléculaire, EA MESR 2413, UFR des

babesia10563601.txt

Sciences Pharmaceutiques et Biologiques, 15 Avenue Charles Flahault, BP  
14491, F-34093 Montpellier Cedex 5, France,  
[mailto:bcarcy@w3.pharma.univ-montp1.fr]

Infection and Immunity, v 71, n 3, p 1056-1067, March 2003  
PUBLICATION DATE: 2003

DOCUMENT TYPE: Journal Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

ISSN: 0019-9567

FILE SEGMENT: Nucleic Acids Abstracts; Algalogy, Mycology & Protozoology  
Abstracts (Microbiology C); Genetics Abstracts; Immunology Abstracts

Antibodies Raised against BcVir15, an Extrachromosomal Double-Stranded RNA-  
Encoded Protein from Babesia canis, Inhibit the In Vitro Growth of  
the Parasite

Drakulovski, P; Carcy, B\*; Moubri, K; Carret, C; Depoix, D;  
Schetters, TPM; Gorenflot, A

#### ABSTRACT:

... for homologous members of the Plasmodium falciparum Pf60 multigene  
family in the intraerythrocytic protozoan parasite Babesia canis, we  
report here the characterization of a cDNA of 1,115 bp, which was...

DESCRIPTORS: Antibodies; cDNA; Merozoites; Nucleotide sequence;  
Epitopes; BcVir15 protein; vir15 protein; Babesia canis

16/3, K/3 (Item 1 from file: 399)  
DI ALOG(R) File 399: CA SEARCH(R)  
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142217363 CA: 142(12)217363f PATENT  
Babesia 28kDa protein family for vaccination  
INVENTOR(AUTHOR): Carcy, Bernard Pierre Dominique; Gorenflot, Andre  
Francois; Schetters, Theodorus Petrus Maria; Girel, Prisca Laetitia;  
Moubri, Karina; Depoix, Delphine  
LOCATION: Neth.  
ASSIGNEE: Akzo Nobel N.V.  
PATENT: PCT International; WO 200512343 A1 DATE: 20050210  
APPLICATION: WO 2004EP51454 (20040712) \*EP 200377178 (20030710)  
PAGES: 81 pp. CODEN: PIXD2 LANGUAGE: English  
PATENT CLASSIFICATIONS:

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GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS;  
LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;  
PT; RO; RU; SC; SD; SE; SG; SK; SL; SY; TJ; TM; TN; TR; TT; TZ; UA; UG; US;  
UZ; VC; VN; YU; ZA; ZM; ZW DESIGNATED REGIONAL: BW; GH; GM; KE; LS; MW; MZ;  
NA; SD; SL; SZ; TZ; UG; ZM; ZW AM; AZ; BY; KG; KZ; MD; RU; TJ; TM; AT;  
BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;  
PL; PT; RO; SE; SI; SK; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR;  
NE; SN; TD; TG

16/3, K/4 (Item 1 from file: 185)  
DI ALOG(R) File 185: Zoological Record Online(R)  
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04745026 BIOSIS No. 13900002298

Chromosome number, genome size and polymorphism of European and South African isolates of large Babesia parasites that infect dogs.

AUTHORS: Depoix, D.; Carcy, B. (a); Jumas-Bilak, E.; Pages, M.; Precigout, E.; Schetters, T.P.M.; Ravel, C.; Gorenflot, A.

AUTHORS ADDRESS: (a) Laboratoire de Biologie Cellulaire et Moléculaire, EA MESR 2413, UFR des Sciences Pharmaceutiques et Biologiques, 15 Avenue Charles Flahault, BP 14491, F-34093, Montpellier Cedex 5; France  
bcarcy@univ-montp1.fr

SOURCE: Parasitology 125(4), October 2002: 313-321. [Print]

DOCUMENT TYPE: Article

ISSN: 0031-1820

LANGUAGES: English SUMMARY LANGUAGES: English

RECORD TYPE: Abstract

Chromosome number, genome size and polymorphism of European and South African isolates of large Babesia parasites that infect dogs.

AUTHORS: Depoix, D.; Carcy, B...

... ABSTRACT: intact chromosomes from 2 isolates of each of the 2 most pathogenic species of large Babesia parasites that infect dogs, i.e. Babesia canis (European species) and B. rossi (South African species), revealed 5 chromosomes in their haploid...

DESCRIPTORS:

Babesia canis -- Chromosomes...

... Southern & Dromedary regions

Babesia rossi -- Chromosomes...

BROADER TERMS:

SYSTEMATICS:

Babesia canis (Piroplasma) -- Parasite

Babesia rossi (Piroplasma) -- Parasite